200305 00 N UK €

KPZ 39-3 / Hydraulic-electronic scales for forklift
Electronic - Hydraulic – maintenance free– robust

KPZ 39-3 weighing system's operation principle is based on measuring the working machine's hydraulic cylinder pressure. Pressure transmitter reading is automatically scaled to weighing information (kg's or lbs.) and displayed on the operating panel.

MAIN FEATURES: The weighing information can be shown as GROSS or NET weight. The operating device is equipped with internal memory which enables saving to different memory categories. Total weighing information is saved into the memory after powering down. A timestamp is stored to every saved measurement. Indicator and measuring block is set to oil pressure up to 100 Bar.

TECHNICAL DATA: Display dimension: 150x90x25mm, Display device IP-class IP40, Pressure sensor IP-class IP67, Operating voltage 8-30VDC, Pressure sensor range (Dynamic Block) 0 – 100 bar, Operating temperature: 0°C - +40°C, Storage temperature -30°C - +40°C, Power consumption backlight on: < 2W, Power consumption backlight off: <350mW, Power consumption while weighing with Dynamic Block: 12W, Total power consumption in standby mode: <250mW, Non approved version only.
Weighing tolerance: 0,2%
Weighing systems for higher oil pressure are possible on request.

Typ	Capacity Bar	division kg		Art.-no
KPZ 39-3 up to 100 Bar.	100Bar	2 kg		39300000000

Options / accessories / extra charge			Article-Nr.
Options / extra costs			
Option : up to 250 Bar.			3930000B250
Option : up to 400 Bar.			3930000B400

Mobile weighing | 🇪🇺 | M Třída Ⅲ | Ex ATEX Conform

1

PZ - Waagen
German quality construction
INDUSTRIAL QUALITY

Made in EUROPA | NEW Option USB | KPZ-Waagen Software Příslušenství | WiFi Bluetooth Příslušenství | ETHERNET | Ex | M | 30 Jahre K-PZ WAAGEN

200305 00 N UK €

Of course with valid OIML, class III, KPZ Factory first certification (Option) ！！！

Pallet Jack with scale

Pallet Jack with scale
Stainless Steel

**KPZ 72 / weighing system for electric stacker,
installed in customer own Truck**

KPZ 73S / weighing system for lifting stacker, installed in customer own Truck

KPZ 73B / drum lifter with scale

KPZ 74 / scissorlifts with scale

KPZ 75 / Fork- lift truck scale

KPZ 76-* / Fork- lift truck scale

Scale for Coil's

KPZ 39-1   KPZ 39-2
Hydraulic Forklift scales

KPZ 601/
barrow scale

**KPZ 71-7 | Capacity 2.200 kg | Div. : 100g , 200 g, 500g | accuracy: 0,02 %
German design and own EU production guarantees high quality.**

2

KPZ-Váhy s.r.o.•Libošovice76•CZ507 44 Libošovice•GSM:00420736622710•Email:zander@kpzwaagen.de•
KPZ–Waagen - 30years - AFFORDABLE, ROBUST and GOOD ! !   www.kpzwaagen.com
We reserve the right to make technical modifications and price changes without prior notification. Warranty:The parts and components are warranted for two years
from the date of delivery against defects in materials and workmanship, provided proper and normal use condition, excluding batteries and chargers.

200305 00 N UK €

KPZ Hand-cart/barrow scale type: KPZ 601

Compl. with indicator KPZ 51-16.
Steel powder painted construction
Capacity 150 kg, division 100 g; incl. battery and adapter.

Calibration protocol as an option. Price on request.

Type	Capacity	Division	Approval		Article-Nr.
KPZ 601	150kg	100g	No		601000000150

Options / accessories / extra charge	€/pcs	Article-Nr.
Printers: Options (extra cost) + costs for output RS 232		
Roller printer FAVORIT Plus,	On request	171023000000
serial interface / Setpoints: Options / extra costs		
Serial interface RS 232 C for KPZ 51-16-1		171307000000

Packing dimension	
Type	Packing dimension
KPZ 601	1400x800x500 mm

Special requirements for unique loading - please contact us for more information!
KPZ price includes complete scale with indicator.

. **German design and own EU production guarantees high quality.**

Special models are our speciality!

24 months Warranty

3

PZ - Waagen
German quality construction
INDUSTRIAL QUALITY

Made in EUROPA | NEW Option USB | KPZ-Waagen Software Příslušenství | WiFi Bluetooth Příslušenství | ETHERNET | Ex | M | 30 Jahre K-PZ WAAGEN

200305 00 N UK €

KPZ 71-9 / Palletweigher M

Standard capacity: 2.200 kg Div. 500g / accuracy 0,05% on the weighing
Weights&measures | powder coating | good value for money| solid

Large LCD display 30 mm high
Display backlight
Large operating keys
Easy to operate
Large battery capacity
Battery : ca.60 hours operating time
Immediately ready for weighing

Option : Printer
KPZ 71-9 DR

German design and own EU production guarantees high quality. Mobile weighing Saved working time / simply use, take the Palletweigher, drive directly under the pallet or load, pump up, weighing and drive the load to the point of use.

Construction: high quality,for industrial use, solid and stable steel construction. Powder painted blue colour (RAL 5002), welded drawbar, robust forks. Safe, proven in industrial use hydraulics. Large rubber steering wheels Ø 200mm and polyurethan-tandem rolls. Wheels suspension guarantees stability and movement fluency, built in lubrication grease nipples guarantee long operating life of all movable construction parts. Indicator described below is built in a robust steel housing on height comfortable for operator. **Certification:** non approved version and EU type approved version for retail use, CE – conform.

Standard indicator: non approval version: KPZ 52-19, (Details and options for Indicator see data sheet)
Standard indicator: approval version: KPZ 52E-7 (Details and options for Indicator see data sheet)
Power supply : 6V battery, operating time up to 60 hours. Charger included. **Load cells:** High quality load cells KPZ 502E-3, IP 68, OIML C3; EC approval possible

Type	Fork mm	Capacity Kg.	Division	Approval Possible	Indicator	Article-Nr.
KPZ 71-9 S	450x1150	2.200 kg	500 g	No	KPZ 52-19	719SJ0502200
KPZ 71-9 S	560x1150	2.200 kg	500 g	No	KPZ 52-19	719SJ0002200
KPZ 71-9 S	560x1150	2.500 kg	1000 g	No	KPZ 52-19	719SJ0002500
KPZ 71-9 S	560x1150	3.000 kg	1000 g	No	KPZ 52-19	719SJ0003000
KPZ 71-9DR	560x1150	2.200 kg	500 g	No	KPZ 52-19	719SJDR2200
KPZ71-9S	560 x 800	2.200 kg	500 g	No	KPZ 52-19	719S00082200
KPZ71-9S	560x1800	2.200 kg	1000 g	No	KPZ 52-19	719S00182200
KPZ 71-9 S	560x1800	2.500 kg	1.000 g	No	KPZ 52-19	719S00182500
KPZ 71-9 SJ	560x2000	2.200 kg	1.000 g	No	KPZ 52-19	719S00202200
KPZ 71-9 SE	560x1150	2.000 kg	1.000 g	YES Klasse M	KPZ 52E7	719S0020200E
KPZ 71-9 SE	560x1150	1000/2000 kg	500/1000 g	YES Klasse M	KPZ 52E7	719SM020200E
KPZ 71-9 SL	690x1150	2.200 kg	500 g	No	KPZ 52-19	719S070002000
KPZ 71-9 SLE	690x1150	2.000 kg	1.000 g	YES Klasse M	KPZ 52E7	719S0700200E

Option : Underdriving high 75 mm or 51mm

Packing, 1 KPZ 71-9 / Fork : 1150 mm	1600x650x1250 mm, 110 kg / packet on Pallet
Packing, 5 KPZ 71-9 / Fork : 1150 mm	2,30 x 0,60 x 1,00 m, 570 kg / packet in wooden Box

The built-in grease nipples ensure the longevity of all moving construction parts.

4

PZ - Waagen
German quality construction
INDUSTRIAL QUALITY

Made in EUROPA | NEW Option USB | KPZ-Waagen Software Příslušenství | WiFi Bluetooth Příslušenství | ETHERNET | Ex | M | 30 Jahre K-PZ WAAGEN

200305 00 N UK €

Technical data – standard specification: **KPZ 71-9 / Palletweigher**

Marking	1.1	Device		*Palletweigher*	1.1
	1.2	Type		KPZ 71-9	1.2
	1.4	Handling		Manual	1.4
	1.5	Capacity	Q (t)	2,2	1.5
	1.6	Loading gravity centre	c(mm)	578	1.6
	1.8	forks surface length from wheel axle	x (mm)	950	1.8
	1.9	Wheelbase	y (mm)	1200	1.9
Weights	2.1	Own weight	kg	110	2.1
	2.2	Axle load with load front / rear	kg	520/1550	2.2
	2.3	Axle load without load front / rear	kg	55/34	2.3
Wheels | Undercarriage	3.1	Tyres (full, vulkollan, pneumatic, poliurethane)		Rubber/ Polyurethane	3.1
	3.2	Front wheel dimension		200x40	3.2
	3.3	Rear wheels dimension		80x70	3.3
	3.5	Number of wheels		2/4	3.5
	3.6	Front wheelbase	b_{10} (mm)	120	3.6
	3.7	Rear wheelbase	b_{11} (mm)	390	3.7
Basic dimensions					
	4.4	Lift height	h_3 (mm)	120	4.4
	4.9	Drawbar height (in ready to ride position)	h_{14} (mm)	1225	4.9
	4.15	Height of lowered forks	h_{13} (mm)	87	4.15
	4.19	Length total without load	l_1 (mm)	1570	4.19
	4.20	Length including forks surface	l_2 (mm)	415	4.20
	4.21	Total width	b_1 (mm)	560	4.21
	4.22	Fork teeth dimension	s/e/l (mm)	74x171x1155	4.22
	4.25	External forks width	b_5 (mm)	560	4.25
	4.32	Ground clearance, central between axles	m_2 (mm)	12	4.32
	4.33	Width of operating space for pallet 1000 x 1200	A_{st} (mm)	1880	4.33
	4.34	Width of operating space for pallet 800 x 1200	A_{st} (mm)	1760	4.34
	4.35	Turning radius	W_a (mm)	1310	4.35
Performance					
	5.3	Lowering time with/without load	mm/s	0,09/0,02	5.3

The built-in grease nipples ensure the longevity of all moving construction parts.
Options? Ask us, we do almost everything possible for you

5

PZ - Waagen German quality construction INDUSTRIAL QUALITY		Made in EUROPA	NEW Option USB	KPZ-Waagen Software Příslušenství	WiFi Bluetooth Příslušenství	ETHERNET	Ex	M	30 Jahre K-PZ WAAGEN

200305 00 N UK €

KPZ 71-8 / Palletweigher M EUROPA

(pallet truck with scale)

Standard capacity: 2.200 kg Div. 200g / accuracy 0,02% on the weighing

Weights&measures | powder coating | good value for money| solid
As Option possible : OIML Class Ⅲ M SOLAS konform

Indicator in steel housing
Easy to operate
Industrial quality
Tandem rollers
6 Digit 25 mm high LCD Display
100% tare / multi tare
Switch net and gross
Good read out
Option:
EC approval possibility: Class Ⅲ
Printer

Option : Printer KPZ 71-8

Better quality !!! KPZ applies only EU approved components
Weighning Economy plus ! = Saved working hours
The built-in grease nipples ensure the longevity of all moving construction parts.

6

PZ - Waagen
German quality construction
INDUSTRIAL QUALITY

Made in EUROPA | NEW Option USB | KPZ-Waagen Software Příslušenství | WiFi Bluetooth Příslušenství | ETHERNET | Ex | M | 30 Jahre K-PZ WAAGEN

200305 00 N UK €

German design and own EU production guarantees high quality. Mobile weighing Saved working time / simply use, take the P a l l e t w e i g h e r, d r i v e directly under the pallet or load, pump up, weighing and drive the load to the point of use.

Construction: high quality,**for industrial use, solid and stable steel construction. Powder painted yellow colour (RAL 1003), welded drawbar, robust forks. Safe, proven in industrial use hydraulics. Large rubber steering wheels Ø 200mm and polyurethan-tandem rolls. Wheels suspension guarantees stability and movement fluency, built in lubrication grease nipples guarantee long operating life of all movable construction parts. Indicator described below is built in a robust steel housing on height comfortable for operator. **Certification:** non approved version and EU type approved version for retail use, CE – conform.

Standard indicator: non approval version: KPZ 52-72 (Details and options for Indicator see data sheet)
Standard indicator approval version: KPZ 52E-7 (Details and options for Indicator see data sheet) **Power supply :** 6V battery, operating time up to 60 hours. Charger included. **Load cells:** High quality load cells KPZ 502E-3, IP 68, OIML C3; EC approval possible.

Typ	Fork Dim.mm	Capacity kg	Div.	Approval	Indicator:		Article – No.
KPZ 718SJ	450x1150	2200 kg	100 g	No	KPZ 5272		718S050002200
KPZ 718SJ	560x1150	2200 kg	100 g	No	KPZ 5272		718SJ00002200
KPZ 718SJ	560x1150	2200 kg	200 g	No	KPZ 5272		718SJ00002200
KPZ 718SMH	560x1150	1100/2200	100/200 g	No	KPZ 5272		718SMH002200
KPZ 718S	560x1150	2500 kg	1000 g	No	KPZ 5272		718S000002500
KPZ 718S	560x1150	3000 kg	1000 g	No	KPZ 5272		718S000003000
KPZ 718SL	**690x1150**	**2.200 kg**	**500 g**	**No**	**KPZ 5172**		**718S07002200**
KPZ 718SE	560x1150	2200 kg	1000 g	YES Klasa III M	KPZ 52E7		718S0000220E
KPZ 718SE	560x1150	1500 kg	500 g	YES Klasa III M	KPZ 52E7		718S0000150E
KPZ 718SE	560x1150	600 kg	200 g	YES Klasa III M	KPZ 52E7		718S0000060E
KPZ 718SME	560x1150	1100/2200	500g/1000 g	YES Klasa III M	KPZ 52E7		718SM000220E
KPZ 718SE	560x1150	2500 kg	1000 g	YES Klasa III M	KPZ 52E7		718S0000250E
KPZ 718SE	560x1150	3000 kg	1000 g	YES Klasa III M	KPZ 52E7		718S0000300E
KPZ 718SEL	**690x1150**	**1100/2200**	**500g/1000 g**	**YES Klasa III M**	**KPZ 52E7**		**718SM700220E**

Option : Fork high 75 mm or 51 mm

Type	Packing dimension
KPZ 71-9	153 x 65 x 125 cm, ca. 155 kg

Options? Ask us, we do almost everything possible for you
German design and own EU production guarantees high quality.

The built-in grease nipples ensure the longevity of all moving construction parts.

7

KPZ-Váhy s.r.o.•Libošovice76•CZ507 44 Libošovice•GSM:00420736622710•Email:zander@kpzwaagen.de•
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We reserve the right to make technical modifications and price changes without prior notification. Warranty:The parts and components are warranted for two years from the date of delivery against defects in materials and workmanship, provided proper and normal use condition, excluding batteries and chargers.

PZ - Waagen
German quality construction
INDUSTRIAL QUALITY

Made in EUROPA | NEW Option USB | KPZ-Waagen Software Příslušenství | **WiFi** Bluetooth Příslušenství | ETHERNET | Ex | **M** | 30 Jahre K-PZ WAAGEN

200305 00 N UK €

KPZ 71-7 / *hand pallet truck* with integrated scale M Made in EUROPA
solid and stable steel construction designed for weighing, powder painted
Capacity 2.000 kg | Division : 100g , 200 g, 500g | accuracy: 0,02 %
the world highest accuracy in mobile scales

Standard capacity: 2.200kg

Long exploitation period thanks to lubrication grease nipples

OPTION

Ex

ATEX konform

Easy to operate
Large Operating Keys

Industrial quality

Independent of Mains Power
Large Battery Capacity
6 Digit 25mm high LCD Display
100 % Tare
Good Read-out
High Accuracy
Back light
Tandem rollers

Options:
Printer
Weight Range: up to 3.000 kg
We will do for you almost everything

Options:

Narrow	Long/shorter	Wide	Turnable Indicator	Change-Battery	Wi-Fi

Better quality! KPZ applies only <u>EU approved components</u>
Mobile Weighing ? = Saved working hours & money!
The built-in grease nipples ensure the longevity of all moving construction parts.

EU-approval class M Klasse ⓘⓘⓘ

8

PZ - Waagen
German quality construction
INDUSTRIAL QUALITY

Made in EUROPA | NEW Option USB | KPZ-Waagen Software Příslušenství | WiFi Bluetooth Příslušenství | ETHERNET | Ex | M | 30 Jahre K-PZ WAAGEN

200305 00 N UK €

Typ	Fork Dim. mm	Capacity kg	Div. g	Approval possible	Indicator:		Article – No.
KPZ 717SJ	450x1150	1200 kg	100 g	No	KPZ 5272		717SH50002200
KPZ 717SJ	560x1150	1200 kg	100 g	No	KPZ 5272		717SH00002200
KPZ 717SJ	560x1150	2200 kg	100 g	No	KPZ 5272		717SH00002200
KPZ 717SJ	560x1150	2200 kg	200 g	No	KPZ 5272		717SJ00002200
KPZ 717SMH	560x1150	1100/2200	100/200 g	No	KPZ 5272		717SMH002200
KPZ 717S	560x1150	2500 kg	1000 g	No	KPZ 5272		717S000002500
KPZ 717S	560x1150	3000 kg	1000 g	No	KPZ 5272		717S000003000
KPZ 717SL	690x1150	2.200 kg	500 g	No	KPZ 5272		717S07002200
KPZ 717SE	560x1150	2200 kg	1000 g	YES Klasa III M	KPZ 52E7		717S0000220E
KPZ 717SE	560x1150	1500 kg	500 g	YES Klasa III M	KPZ 52E7		717S0000150E
KPZ 717SE	560x1150	600 kg	200 g	YES Klasa III M	KPZ 52E7		717S0000060E
KPZ 717SME	560x1150	1100/2200	500g/1000	YES Klasa III M	KPZ 52E7		717SM000220E
KPZ 717SE	560x1150	2500 kg	1000 g	YES Klasa III M	KPZ 52E7		717S0000250E
KPZ 717SE	560x1150	3000 kg	1000 g	YES Klasa III M	KPZ 52E7		717S0000300E
KPZ 717SE	690x1150	1100/2200	500g/1000	YES Klasa III M	KPZ 52E7		717S0700220E

Option : Fork high 75 mm or 51 mm

Construction : KPZ 71-7 mobile palletweigher: high quality, for industrial use, long exploitation **period,** very solid and stable steel construction, designed for weighing, powder painted, yellow color (RAL 1003), welded drawbar; strong forks made from 0.16''/4-mm steel plate. Safe, proven in industrial use hydraulics. Large, rubber steering wheels, diameter 7.87''/200 mm. Wheels suspension guarantees stability and movement fluency, built in lubrication grease nipples guarantee long operating life of all movable construction parts. Indicator described below is built in a robust steel housing on height comfortable for operator. Indicator: KPZ 52E-7 (possibility to deliver other one, indicated by a customer as an option). Load cells: High quality load cells KPZ 502E-3, IP 68, OIML C3; EC approval possible. Certification: EC approval possibility class III, declaration of conformity, approved version).

Power supply: 6V battery, operating time approx 36 hours, re-charging time max. 10 hours (normally carried out overnight). Charging device is included in unit price.

KPZ 52-7-2
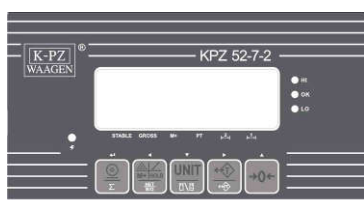
Features: Built in a stable, robust steel housing, Large user-friendly, membrane keyboard, 5 large control buttons. Easy to read, back-lit LCD - display, 6 digits, with 1.2''/30mm high digits.
Functions: Automatic and manual zero correction, Up to 100 % Tare, Gross - / Net switch, Minus indication, Piece counting by means of reference quantity selectable between 10, 20, 50, 100 and 200 pieces, Set point module HIGH-OK-LOW (i.e. two selectable weight values, color LED display), automatic self-test,

KPZ 52E – 7

Features: High resolution and fast weight display. Built in a stable, robust steel housing, user-friendly, dust and waterproof membrane keyboard, 4 large control buttons. LCD - display, 6 digits, 1.18''/30mm high digits, backlit. For approved weighing applications.
Functions: Automatic and manual zero correction →0←, Up to 100 % Tare ⇄, Gross - / Net switch NET GROSS, Minus indication, Set point module HIGH-OK-LOW (ie two selectable weight values, LED display), Automatic selftest
Technical data: working temperature 14°F up to 104°F Dimensions. 10.16'x8.35'x4.57' (WxLxH)

PZ - Waagen
German quality construction
INDUSTRIAL QUALITY

Made in EUROPA | NEW Option USB | KPZ-Waagen Software Příslušenství | WiFi Bluetooth Příslušenství | ETHERNET | Ex | M | 30 Jahre K-PZ WAAGEN

200305 00 N UK €
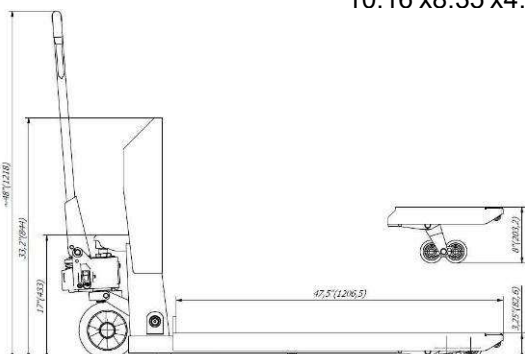
Pallet truck with integrated scale, Type KPZ 71-7 Favourite

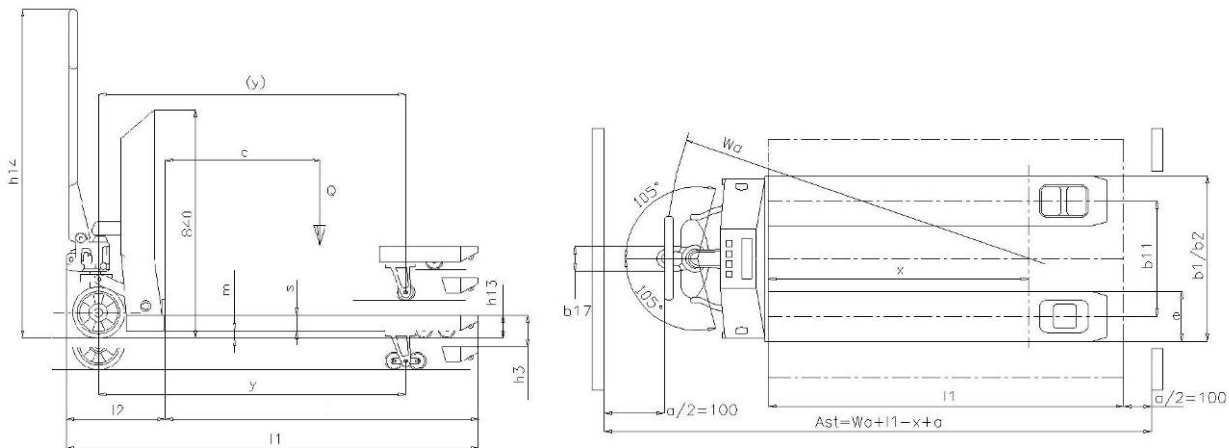|						
Marking	1.1	Device			*Palletweigher*	1.1
	1.2	Type			KPZ 71-7	1.2
	1.4	Handling			Manual	1.4
	1.5	Capacity	$Q\ (t)$		2,2	1.5
	1.6	Loading gravity centre	$c(mm)$		578	1.6
	1.8	forks surface length from wheel axle	$x\ (mm)$		950	1.8
	1.9	Wheelbase	$y\ (mm)$		1200	1.9
Weights	2.1	Own weight	kg		142	2.1
	2.2	Axle load with load front / rear	kg		520/1550	2.2
	2.3	Axle load without load front / rear	kg		55/34	2.3
Wheels | Undercarriage	3.1	Tyres (full, vulkollan, pneumatic, poliurethane)			Rubber/ Polyurethane	3.1
	3.2	Front wheel dimension			200x40	3.2
	3.3	Rear wheels dimension			80x70	3.3
	3.5	Number of wheels			2/2 or 2/4	3.5
	3.6	Front wheelbase	$b_{10}\ (mm)$		120	3.6
	3.7	Rear wheelbase	$b_{11}\ (mm)$		390	3.7
Basic dimensions						
	4.4	Lift height	$h_3\ (mm)$		120	4.4
	4.9	Drawbar height (in ready to ride position)	$h_{14}\ (mm)$		1225	4.9
	4.15	Height of lowered forks	$h_{13}\ (mm)$		87	4.15
	4.19	Length total without load	$l_1\ (mm)$		1570	4.19
	4.20	Length including forks surface	$l_2\ (mm)$		415	4.20
	4.21	Total width	$b_1\ (mm)$		560	4.21
	4.22	Fork teeth dimension	$s/e/l\ (mm)$		74x171x1155	4.22
	4.25	External forks width	$b_5\ (mm)$		560	4.25
	4.32	Ground clearance, central between axles	$m_2\ (mm)$		12	4.32
	4.33	Width of operating space for pallet 1000 x 1200	$A_{st}\ (mm)$		1880	4.33
	4.34	Width of operating space for pallet 800 x 1200	$A_{st}\ (mm)$		1760	4.34
	4.35	Turning radius	$W_a\ (mm)$		1310	4.35
Performance						
	5.3	Lowering time with/without load	mm/s		0,09/0,02	5.3

M EUROPA 24 months Warranty

German design and own EU production guarantees high quality.

The built-in grease nipples ensure the longevity of all moving construction parts.

PZ - Waagen
German quality construction
INDUSTRIAL QUALITY

Made in EUROPA | NEW Option USB | KPZ-Waagen Software Příslušenství | WiFi Bluetooth Příslušenství | ETHERNET | Ex | M | 30 Jahre K-PZ WAAGEN

200305 00 N UK €

Pallet truck with integrated scale, Type KPZ 71-7 Favourite - Construction
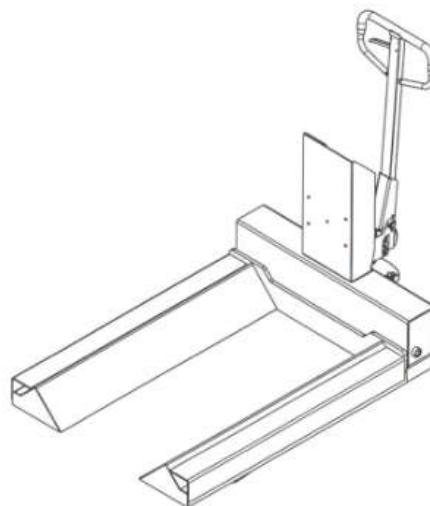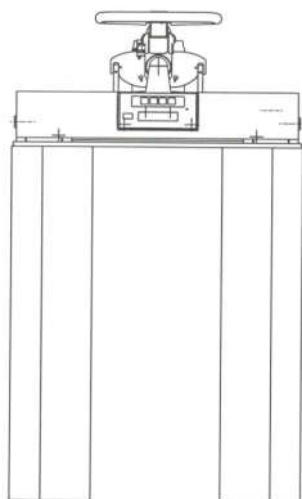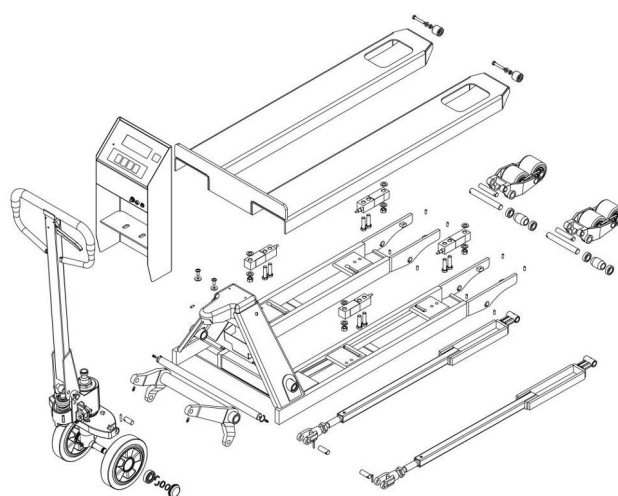
$$Ast = Wa + l1 - x + a$$
$$a/2 = 100$$

The built-in grease nipples ensure the longevity of all moving construction parts.

German design and own EU production guarantees high quality.

M EUROPA
24 months Warranty

11

PZ - Waagen
German quality construction
INDUSTRIAL QUALITY

Made in EUROPA | NEW Option USB | KPZ-Waagen Software Příslušenství | WiFi Bluetooth Příslušenství | ETHERNET | Ex | M | 30 Jahre K-PZ WAAGEN

200305 00 N UK €

KPZ 71-7

	Wide/narrow
Long	**short**

Other capacity, division, option and dimension on request.

German design and own EU production guarantees high quality.

The built-in grease nipples ensure the longevity of all moving construction parts.

24 months Warranty

PZ - Waagen
German quality construction
INDUSTRIAL QUALITY

Made in EUROPA | NEW Option USB | KPZ-Waagen Software Příslušenství | Wi Fi Bluetooth Příslušenství | ETHERNET | Ex | M | 30 Jahre K-PZ WAAGEN

200305 00 N UK €

Options / accessories / extra charge		Article-Nr
Indicators: Options (extra cost)		
Indicator KPZ 52E-8 **instead of KPZ 52-18**		1252E8000000
Indicator KPZ 52E-8/1, *with pre tare and easy counting* **instead of KPZ 52E-8**		120030000000
Indicator KPZ 52E-8/1, *with pre tare and easy counting* **instead of KPZ 52-18**		12J030000000
Indicator KPZ 56E-3, professional *counting,addition,Tare input by hand,* **instead of KPZ 52E-8**		120324000000
Indicator KPZ 56E-3, professional *counting, addition,Tare input by hand,* **instead of KPZ 52-18**		120324000000
Indicator KPZ 52E-9-1, Stainles steel housing (IP 67) easy *counting* **instead of KPZ 52E-8**		1252E9100000
Indicator KPZ 52E-9-1, Stainles steel housing (IP 67) easy *counting* **instead of KPZ 52-18**		1252J9100000
Printers: Options (extra cost) + costs for output RS 232		
Roller printer FAVORIT Plus, for KPZ 51(E)-*,		120024000000
Printer DR 7		120039000000
Printer DR 7 with date & time		120039100000
Label printer and code printer type DR 2 for KPZ 56E-1, KPZ 51E-9-2		120038000000
Print design for DR 2 on request		204333100000
serial interface / Setpoints: Options / extra costs		
Serial interface RS232 C for KPZ 52E-8		1252E8000100
Serial interface RS232 C for KPZ 52-18		511830700000
Serial interface RS232 C for KPZ 52E-9-1		123071000000
Serial interface RS232 C for KPZ 51E-9-2		123072000000
Serial interface RS232 C for KPZ 56E-3 incl. PT and Addition		123080000000
Serial interface RS232 C for KPZ 56E-3 incl. RTC, w/out PT, w/out Addition		204300070000
Setpoints, 3 pcs for KPZ 52(E)-8 (more – OK – less)		120029001000
Setpoints, 3 pcs for KPZ 51E-9-2 (more – OK – less)		120029002000
Software "KPZ Smart Scale" STANDARD (incl. RS232 serial interface)		5S0001000000
Software "KPZ Smart Scale" PROFESSIONAL (incl. RS232 serial interface)		5S0005000000
Software "KPZ Smart Scale" PREMIUM (incl. RS232 serial interface)		5S0010000000
Wi-FI Datatransfer		120005000000
Rechargable battery version KPZ 51(E)-8, 56E-1, 51E-9-1, 51E-9-2		120040000000

Construction options		
Hand break		171701000000
Turning housing for indicator KPZ 51E-7, range 320°		17151E704400
Quicklifting for KPZ 71-7		171700313000
Load wheel / Nylon		171415000000
Load wheel / Nylon, tandem		171415100000
Steering wheel / Nylon		171417000000
Steering wheel / Polyurethane		171417100000
Other forks width, 480 mm to 680 mm		171311000000
Other forks length, 850 mm to 1550 mm		171310000000
Other forks length, 1600 mm to1800 mm		171320000000
Other forks length, 2000 mm and longer		171502050000
Galvanized version, nickel-plated load cells		171412000000
Forks cover plate, stainless steel		171413200000
1 set of nickel- plated load cells KPZ 71-*		171413100000
Exchangable battery		171704000000

Factoryfirst certification (extra charge)		**Artikel-Nr.**
For Capacity from 501 kg bis 3.000 kg		300PL0003000
For Capacity from 3.000 kg bis 10.000 kg		300PL0010000
For Capacity from 21 kg bis 200 kg Double range		300PLM000200
For Capacity from 201 kg bis 500 kg Double range		300PLM000500
For Capacity from.501 kg bis 3.000 kg Double range		300PLM003000

... please contact us for special requests!

The built-in grease nipples ensure the longevity of all moving construction parts.

. **German design and own EU production guarantees high quality.**

M EUROPA
24 months Warranty

PZ - Waagen
German quality construction
INDUSTRIAL QUALITY

Made in EUROPA | NEW Option USB | KPZ-Waagen Software Příslušenství | WiFi Bluetooth Příslušenství | ETHERNET | Ex | M | 30 Jahre K-PZ WAAGEN

200305 00 N UK €

KPZ 71-7N / hand pallet truck with integrated scale

stainless steel DIN 1.4301 / IP67/68+ IP 69K

Capacity 2.200 kg | Division : 100g , 200 g, 500g | accuracy: 0,02 %

weighing capacity up to **2.200 kg**
25 mm LCD – digits
backlight
100 % tare
easy readable

EU-approval class M Klasse Ⅲ

OPTION
Ex
ATEX konform

Optionen:

| KPZ 52E-9-2 Indicator | Build in Thermo Printer | Build in Thermo Printer IP65 housing | Footbreak | ATEX Indicator |

Better quality !!! KPZ applies only EU approved components
Mobile Weighning! = Saved working hours !

German design and own EU production guarantees high quality.
### The built-in grease nipples ensure the longevity of all moving construction parts.

14

PZ - Waagen
German quality construction
INDUSTRIAL QUALITY

Made in EUROPA | NEW Option USB | KPZ-Waagen Software Příslušenství | WiFi Bluetooth Příslušenství | ETHERNET | Ex | M | 30 Jahre K-PZ WAAGEN
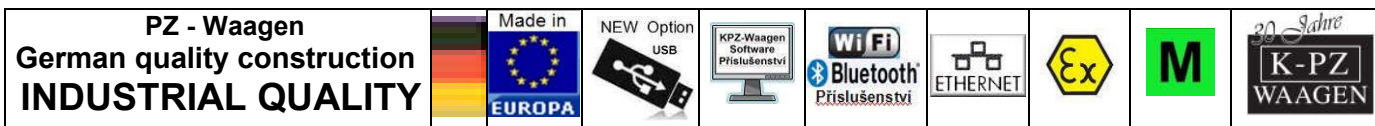
200305 00 N UK €

Solid and stable hand pallet truck scales series KPZ 71-7N. **German design and own EU production guarantees high quality.** Designed as floor scales, for food and Chemical industrial weighing. High accuracy. Maintenance-free durable Stainless steel (DIN 1.4301 / IP67/68 / 69K) construction. High quality polishing standard (Glass bead blasted).

Construction: Robust, maintenance-free, welded steel construction, heavy duty design for food industrial use, Stainless steel weighing platform, Maintenance-free durable Stainless steel (DIN 1.4301 / IP67/68 / IP 69K
Load cells: Robust, stainless steel load cell, IP68, OIML, with a high overload capacity. **Installation:** Adjustable leveling feet, designed for permanent or portable installations, 5m cable to connect digital indicator. **Options:** Custom sizes and capacities
Standard indicator: KPZ 52E91, **For approved applications:** KPZ 52E91, **Options for indicators:** Multi range, RS 232 serial interface, Various printers connection, Radio data transfer, WLAN, etc.. Internal battery

Approvals: OIML class III **M**, CE conform. **Power Supply :** 230 V mains, Power cord

Construction: complete stainless steel version of KPZ 71-7. High quality flat iron construction just constructed for weighing technic. steering wheels: **Nylon (Ø 200mm) fork wheels:** Tandem Nylon. weighingsystem: **4 high grad, stainless steel loadcells, Type KPZ 502E-3, IP68, EU approval certification class III, accuracy: 0,02%,** power supply: **Accu, charger incl. Certification:** EC approval possibility class III, Declaration of conformity, approved version.

hand pallet weigher KPZ 71-7N stainless steel Material 1.4301

Typ	Fork Dim. mm	capacity kg	Div. g	Approval possible	Indicator		Article – No.
KPZ 71-7N,	560x1150	2200	500	No	KPZ 52E91/IP67		717N00002200
KPZ 71-7NM,	560x1150	1500/2200	200/500	No	KPZ 52E91/IP67		717NM0002200
KPZ 71-7N,	560x1150	1500	200	No	KPZ 52E91/IP67		717NM0001500
KPZ 71-7N,	560x1150	2.500	200	No	KPZ 52E91/IP67		717N00001500
KPZ 71E-7N	690x1150	2.200 kg	500 g	No	KPZ 52E91/IP67		717N07002200
KPZ 71E-7N,	560x1150	600	200g	YES Klasa M	KPZ 52E91/IP67		717N0000060E
KPZ 71E-7NM,	560x1150	1500	500g	YES Klasa M	KPZ 52E91/IP67		717NM000150E
KPZ 71E-7N,	560x1150	1.500/2200	500/1000g	YES Klasa M	KPZ 52E91/IP67		717NM000220E
KPZ 71E-7N,	560x1150	2200	1000g	YES Klasa M	KPZ 52E91/IP67		717N0000220E
KPZ 71E-7N	690x1150	2.200 kg	1000 g	YES Klasa M	KPZ 52E91/IP67		717N0700220E

Option : Fork high 75 mm or 51 mm
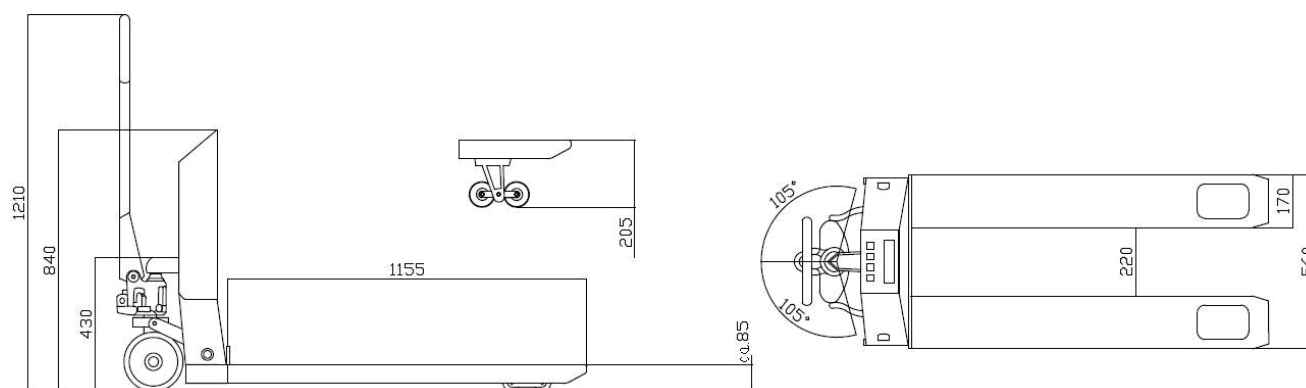
own weight approx. 150 kg.

Stainless steel DIN 1.4301 / 1.4541 / 1.4404 and IP 67/68 + IP 69K version possible

The built-in grease nipples ensure the longevity of all moving construction parts.

200305 00 N UK €

Options for the KPZ floor scales (stainless steel construction, material 1.4301)

Options / accessories / extra charge	Article-No.
Printers: Options (extra cost) + costs for output RS 232	
Roller printer FAVORIT Plus, for KPZ 52(E)-*,	120024000000
Label printer and code printer type DR 2 for KPZ 56E-3, KPZ 51E-9-2	120038000000
Print design for DR 2 on request	204333100000
Printer Info and Printout Example Starts from Page 142	

serial interface / Setpoints: Options / extra costs	
Serial interface RS232 C for KPZ 52E-9-1	123071000000
Serial interface RS232 C for KPZ 51E-9-2	123072000000
Setpoints, 3 pcs for KPZ 51E-9-2 (more – OK – less)	120029002000
Software "KPZ Smart Scale" STANDARD (incl. RS232 serial interface)	5S0001000000
Software "KPZ Smart Scale" PROFESSIONAL (incl. RS232 serial interface)	5S0005000000
Software "KPZ Smart Scale" PREMIUM (incl. RS232 serial interface)	5S0010000000
Wi-FI Datatransfer	120005000000
Rechargable battery version KPZ 52E-9-1, 51E-9-2	120040000000

Konstruktions-Optionen		Article-Nr
320° Drehbares Schrankgehäuse zur KPZ 51E-7 Anzeigeelektronik		17151E704400
Changed Fork with, 480 mm to 680 mm		171311000000
Changed Forklong, 800 mm to1150 mm		171310000000
Changed Forklong, 1200 mm bis 1550 mm		171320000000
Changed Forklong, 2000 mm and longer (ab 6 Wägezellen Konstruktion)		171502050000
Stainless Steel Fork		171413200000
Wechselakkuversion		171704000000

Factoryfirst certification (extra charge)	€/pcs	Artikel-Nr.
For Capacity from 0 kg to 21 kg		300PL0000020
For Capacity from 21 kg bis 200 kg		300PL0000200
For Capacity from 201 kg bis 500 kg		300PL0000500
For Capacity from 501 kg bis 3.000 kg		300PL0003000
For Capacity from 3.000 kg bis 10.000 kg		300PL0010000
For Capacity from 21 kg bis 200 kg Double range		300PLM000200
For Capacity from 201 kg bis 500 kg Double range		300PLM000500
For Capacity from.501 kg bis 3.000 kg Double range		300PLM003000
For Capacity from 3.000 kg bis 10.000 kg Double range		300PLM010000

... please contact us for special requests!

. German design and own EU production guarantees high quality.

The built-in grease nipples ensure the longevity of all moving construction parts.

Mobile Weighing = Saved working hours

Special models are our speciality!

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PZ - Waagen
German quality construction
INDUSTRIAL QUALITY

Made in EUROPA | NEW Option USB | KPZ-Waagen Software Příslušenství | WiFi Bluetooth Příslušenství | ETHERNET | Ex | M | 30 Jahre K-PZ WAAGEN

200305 00 N UK €

KPZ 717EXS | ATEX, zone 1+2 | steel powder painted, stainless steel forks cover
Capacity 2.200 kg | Division : 500g | accuracy: 0,02 %
Option : EU-approval, class M ⓘⓘⓘ
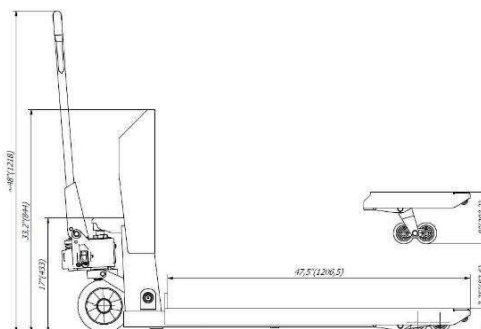
German design and own EU production guarantees high quality.
Solid and stable steel construction designed for weighing, in Steel, powder painted, stainless steel forks cover. **KPZ 71-7 Favorit, ATEX-Version, zone 1+2**, steel powder painted, stainless steel forks cover, conductive rubber steering wheels, conductive rubber tandem rollers. **Power supply:** build in battery, device charging via delivered charger outside the hazardous area. **Certification:** CE conform., EU type approved clas III is possible. Weighing range. Indicator : 52E-12EX

Typ	Fork Dim. mm	Capacity kg	Div. g	Approval possible	Indicator:	Article – No.
KPZ 717EXSZone2	450x1150	2200 kg	500 g	No	KPZ 52E12EX	717EXS2502200
KPZ 717EXSZone2	560x1150	2200 kg	500 g	No	KPZ 52E12EX	717EXS2002200
KPZ 717EXSZone2	560x1150	2200 kg	1000 g	YES ⓘⓘⓘ M	KPZ 52E12EX	717EXS200220E
KPZ 717EXSZone1	560x1150	2200 kg	500 g	No	KPZ 52E12EX	717EXS1002200
KPZ 717EXSZone1	560x1150	2200 kg	500 g	YES ⓘⓘⓘ M	KPZ 52E12EX	717EXS100220E
KPZ 717EXSZone1	690x1150	2200 kg	1000 g	No	KPZ 52E12EX	717EXS1702200

Option : Fork high 75 mm or 51 mm
Construction : KPZ 71-7 mobile palletweigher: high quality, for industrial use, long exploitation **period,** very solid and stable steel construction, designed for weighing, strong forks. Safe, proven in industrial use hydraulics. Large, rubber steering wheels, diameter 7.87''/200 mm. Wheels suspension guarantees stability and movement fluency, built in lubrication grease nipples guarantee long operating life of all movable construction parts. Indicator built in a robust steel housing on height comfortable for operator. **Indicator: KPZ 52E-12 EX** Stainless steel weighing terminal, IP 65, LED, Display 6 digits 20mm, 5 buttons, EU calibration certificate.
Function : Zero, 100% tare, / Gross/Net switching. **Power supply:** build in battery, device charging via delivered charger outside the hazardous area. Charging device is included in unit price. **Certification:** CE conform., EU type approved clas III is possible. Weighing range

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KPZ-Váhy s.r.o.•Libošovice76•CZ507 44 Libošovice•GSM:00420736622710•Email:zander@kpzwaagen.de•
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We reserve the right to make technical modifications and price changes without prior notification. Warranty:The parts and components are warranted for two years from the date of delivery against defects in materials and workmanship, provided proper and normal use condition, excluding batteries and chargers.

PZ - Waagen
German quality construction
INDUSTRIAL QUALITY

Made in EUROPA | NEW Option USB | KPZ-Waagen Software Příslušenství | WiFi Bluetooth Příslušenství | ETHERNET | Ex | M | 30 Jahre K-PZ WAAGEN

200305 00 N UK €

KPZ 717EXN | ATEX, zone 1+2 | stainless steel DIN 1.4301
Capacity 2.200 kg | Division : 500g | accuracy: 0,02 %
Option : EU-approval, class M Klasse (III)

ATEX Indicator

OPTION

Ex

ATEX konform

German design and own EU production guarantees high quality.

Solid and stable hand pallet truck scales series KPZ 71-7N. (complet) Stainless Steel construction designed for weighing, in food and Chemical industry. High accuracy. Maintenance-free durable Stainless steel (DIN 1.4301 / IP67/Option : 68/69K) construction. High quality polishing standard (Glass bead blasted). Conductive Poly steering wheels and conductive tandem rollers. **Power supply:** build in battery, device charging via delivered charger outside the hazardous area. **Certification:** CE conform., EU type approved clas III is possible. Weighing range. Indicator : 52E-12EX

Typ	Fork Dim. mm	Capacity kg	Div. g	Approval possible	Indicator:		Article – No.
KPZ 717EXNZone2	450x1150	2200 kg	500 g	No	KPZ 52E12EX		717EXN2502200
KPZ 717EXNZone2	560x1150	2200 kg	500 g	No	KPZ 52E12EX		717EXN2002200
KPZ 717EXNZone2	560x1150	2200 kg	1000 g	YES Klasse III M	KPZ 52E12EX		717EXN200220E
KPZ 717EXNZone1	560x1150	2200 kg	500 g	No	KPZ 52E12EX		717EXN1002200
KPZ 717EXNZone1	560x1150	2200 kg	500 g	YES Klasse III M	KPZ 52E12EX		717EXN100220E
KPZ 717EXNZone1	690x1150	2200 kg	1000 g	No	KPZ 52E12EX		717EXN1702200

Option : Fork high 75 mm or 51 mm

Construction : KPZ 71-7 mobile palletweigher: high quality, for industrial use, long exploitation **period,** very solid and stable steel construction, designed for weighing, strong forks. Safe, proven in industrial use hydraulics. Large, rubber steering wheels, diameter 7.87''/200 mm. Wheels suspension guarantees stability and movement fluency, built in lubrication grease nipples guarantee long operating life of all movable construction parts. Indicator built in a robust steel housing on height comfortable for operator. **Indicator: KPZ 52E-12 EX** Stainless steel weighing terminal, IP 65, LED, Display 6 digits 20mm, 5 buttons, EU calibration certificate. Function : **Zero, 100% tare, / Gross/Net switching.** Power supply: **build in battery, device charging via delivered charger outside the hazardous area. Charging device is included in unit price.** Certification: **CE conform., EU type approved clas III is possible. Weighing range. Own weight approx. 150 kg.**
…..pls contact us for special request !

German design and own EU production guarantees high quality.

M EUROPA
24 months
Warranty

18

KPZ-Váhy s.r.o.•Libošovice76•CZ507 44 Libošovice•GSM:00420736622710•Email:zander@kpzwaagen.de•
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We reserve the right to make technical modifications and price changes without prior notification. Warranty:The parts and components are warranted for two years from the date of delivery against defects in materials and workmanship, provided proper and normal use condition, excluding batteries and chargers.

200305 00 N UK €

ATEX compliant KPZ mobile Weighing scale
stainless steel DIN 1.4301 / IP67/68+ IP 69K
EX zone 1+ 2 / EU-approval class M Klasse III

Typ KPZ 71-7NEX
stainless steel DIN 1.4301

KPZ 76F

KPZ 73BL

**KPZ 717EX2SM**

ATEX konform

Mobile weighing Saved working time / simply use, take the Palletweigher, drive directly under the pallet or load, pump up, weighing and drive the load to the point of use.

German design and own EU production guarantees high quality.

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ATEX konform

Questionnaire on the implementation of safeguards EX according to ATEX

To check the performance of explosion-proof protection, it is necessary to accurately determine the explosion zone, temperature class and the group of devices according to their degree of hazard analysis. Please include the following information:

The division of zones:
Areas where there may be a dangerous atmosphere, have been divided into zones depending on the probability of the atmosphere EX. There are two kind of atmosphere-gaseous and dusty.

☐ Gaseous atmosphere   ▣ 0/20 permanent, long-term or frequent threat (>1.000 h/a)

                              ☐ 1/21 occasional threat (between 100 and 1.000 h/a)

☐ Dusty atmosphere   ☐ 2/22 rare threat (<10 h/a).

Temperature class:
Electric resources Group II were divided into classes according to their maximum surface temperature. Analogically the gas division was made on the basis of different ignition temperatures.
The highest permissible surface temperature of resources:

☐T1=450º   ☐T2=300º   ☐T3=200º   ☐T4=135º   ☐T5=100º   ▣T6=85º

Group of devices:
Group I   covers all resources, which are admitted to the excavations at risk of an explosive mixture of air and gases(e.g. mines)

Group II   applies to areas "on the surface of the earth", for such industries as chemicals, petrochemicals, mills (dust), etc.For protection factor of ignition and compressive strength of the closure housing, another division was made on the basis of different ignition energy of gases (group of devices IIA to IIC).

▣ I   typical gas, e.g. methane , ignition energy 280 µJ
☐ IIA   typical gas, e.g. propane , ignition energy > 180 µJ
☐ IIB   typical gas, e.g. ethylene , ignition energy 60…180 µJ
☐ IIC   typical gas, e.g. hydrogen, ignition energy < 60 µJ.

▣ = not available

PZ - Waagen
German quality construction
INDUSTRIAL QUALITY

Made in EUROPA | NEW Option USB | KPZ-Waagen Software Příslušenství | WiFi Bluetooth Příslušenství | ETHERNET | Ex | M | 30 Jahre K-PZ WAAGEN

200305 00 N UK €

KPZ 72 / Weighing system for electrical Pallet Truck M

Capacity depends on the client's supplied device / EU-approval class M ③

Typ	Capacity kg	Division g	Indicator	Approval possible		Article No.
KPZ 72	600 to 1200	200 / 500	KPZ 5219	No		72000000X000
KPZ 72	2000 kg	1000g	KPZ 5219	No		72000000X000
KPZ 72	3000 kg	1000g	KPZ 5219	No		72000000X000
KPZ 72E	600 kg	500 g	**KPZ 52E7**	YES ③ M		7200000X00E
KPZ 72E	1500 kg	1000 g	**KPZ 52E7**	YES ③ M		7200000X00E
KPZ 72	3000 kg	1000g	**KPZ 52E7**	YES ③ M		7200000X000

Mobile Weighing = Saved working hours
German design and own EU production guarantees high quality.
Options? Ask, we do almost everything possible for you

24 months Warranty

21

200305 00 N UK €

KPZ 73S / Weighing system mounted to electric lifting truck M 🇪🇺

Capacity and Division depends on the client's supplied device / EU-approval class Klasse ⑪
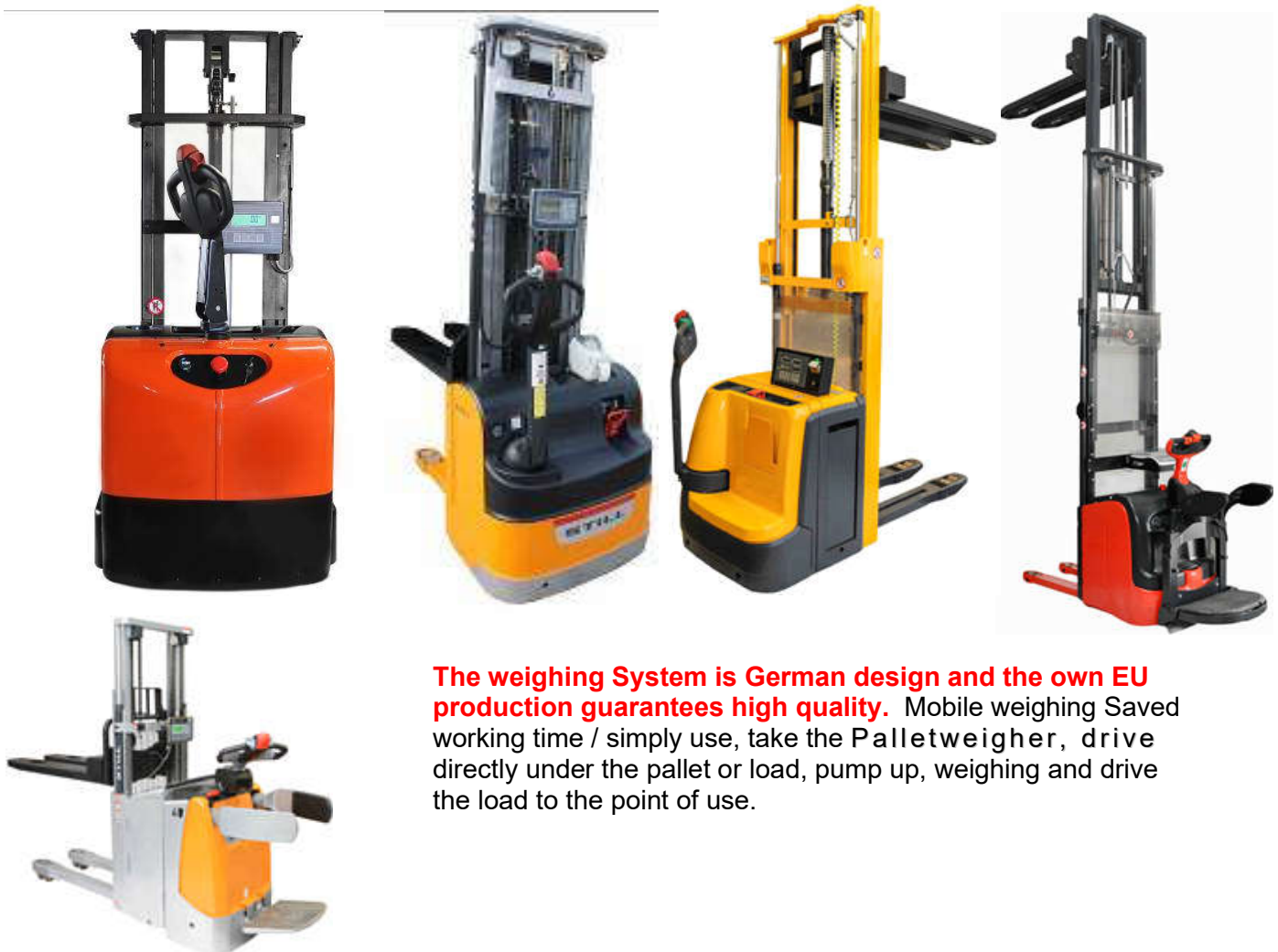
The weighing System is German design and the own EU production guarantees high quality. Mobile weighing Saved working time / simply use, take the Palletweigher, drive directly under the pallet or load, pump up, weighing and drive the load to the point of use.

Typ	Capacity kg	Division g	Indicator	Approval possible		Article No.
KPZ 73 Simplex	600 to 1600	1000g	KPZ5219	No		73S00000X00
KPZ 73 Doublex	600 to 1600	1000g	KPZ5219	No		73D00000X00
KPZ 73 Triplex	600 to 1600	1000g	KPZ5219	No		73T00000X00
KPZ 73 Simplex	600 to 1600	1000g	KPZ5219	YES ⑪ M		73S00000X00
KPZ 73 Doublex	600 to 1600	1000g	KPZ5219	YES ⑪ M		73D00000X00
KPZ 73 Triplex	600 to 1600	1000g	KPZ5219	YES ⑪ M		73T00000X00

capacity depends to the client supplied unit / If more then 2m high we need Information.

Options? Ask us, we do almost everything possible for you

Mobile Weighing = Saved working hours

M 🇪🇺 **24 months Warranty**

22

200305 00 N UK €

KPZ 73B / Mechanical+electronic drum lifter with integrated scale
Barrel (mobile) scale type KPZ 73 B

Installed in a munual barrel lifting truck vehicle.
Complete with indicator KPZ 52E-9-1, able to work, incl. power supply and battery.
Construction: Steel powder painted

OPTION

Ex

ATEX konform

KPZ 73B L

KPZ 73 B Standard

KPZ 73B L / ATEX conform

Type	Lift hight	Capacity	Division		Article-Nr
KPZ 73SB350	1,6 m	350 kg	500 g		73B000000350

Options? Ask us, we do almost everything possible for you

Mobile Weighing = Saved working hours

M Made in EUROPA
24 months Warranty

23

| PZ - Waagen German quality construction **INDUSTRIAL QUALITY** | Made in EUROPA | NEW Option USB | KPZ-Waagen Software Příslušenství | WiFi Bluetooth Příslušenství | ETHERNET | Ex | M | 30 Jahre K-PZ WAAGEN |

200305 00 N UK €

KPZ 73SDJ/ Mechanical lifter with Weighing system
Scope of delivery: mechanical Lifter, with build in KPZ-Waagen weighing system

The weighing System is German design and own EU production guarantees high quality.
Mobile weighing Saved working time / simply use, take the Palletweigher, drive directly under the pallet or load, pump up, weighing and drive the load to the point of use.

Construction: high quality,for industrial use, solid and stable steel construction. Powder painted blue colour, welded drawbar, robust forks. Safe, proven in industrial use hydraulics. Large rubber steering wheels Ø 200mm and polyurethan-tandem rolls. Wheels suspension guarantees stability and movement fluency, built in lubrication grease nipples guarantee long operating life of all movable construction parts. Indicator described below is built in a robust steel housing on height comfortable for operator. **Certification:** non approved version, CE – conform.

Standard indicator: non approval version: KPZ 52-19 (Details and options for Indicator see data sheet)
Power supply : 6V battery, operating time up to 60 hours. Charger included. **Load cells:** High quality load cells KPZ 502E-3, IP 68, OIML C3; EC approval possible

Typ	Lifting high	Capacity	Division	Approval possible	Indicator		Article No.
KPZ 73MSDJ160	1,6 m	1000 kg	500/1000 g	No	KPZ 5219		73SDJM161000
KPZ 73MSDJ250	2,5 m	1000 kg	500/1000 g	No	KPZ 5219		73SDJM251000
KPZ 73MSDJ300	3,0m	1000 kg	500/1000 g	No	KPZ 5219		73SDJM301000

Options? Ask us, we do almost everything possible for you
Mobile Weighing = Saved working hours

M EUROPA
24 months Warranty

200305 00 N UK €

KPZ 74 / scissorlifts with scale M

Weights&measures | powder coating | good value for money| solid
As Option possible : OIML Class M III

KPZ 74 semi electric scissor truck

The weighing System is German design and own EU production guarantees high quality.
Mobile weighing Saved working time / simply use, take the Palletweigher, drive directly under the pallet or load, pump up, weighing and drive the load to the point of use.

Construction: high quality,for industrial use, solid and stable steel construction. Powder painted blue colour, welded drawbar, robust forks. Safe, proven in industrial use hydraulics. Large rubber steering wheels Ø 200mm and polyurethan-tandem rolls. Wheels suspension guarantees stability and movement fluency, built in lubrication grease nipples guarantee long operating life of all movable construction parts. Indicator described below is built in a robust steel housing on height comfortable for operator. **Certification:** non approved version, CE – conform.
Standard indicator: non approval version: KPZ 52-19 (Details and options for Indicator see data sheet)
Standard indicator approval version: KPZ 52E-7 (Details and options for Indicator see data sheet). **Power supply :** 6V battery, operating time up to 60 hours. Charger included. **Load cells:** High quality load cells KPZ 502E-3, IP 68, OIML C3; EC approval possible

Typ	Lifting high	Capacity	Division	Approval possible	Indicator		Article No.
KPZ 74 SJ		1000 kg	500 g	No	KPZ 5219		74000001000
KPZ 74 SE		1000 kg	1000 g	YES III M	KPZ 52E7		7400000150E
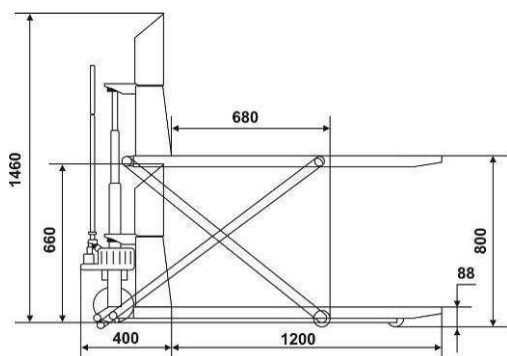
Dim. in mm
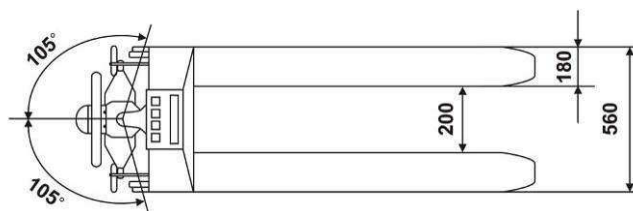
Options? Ask us, we do almost everything possible for you

German design and own EU production guarantees high quality.

Options / accessories / extra charge		Article-Nr
Indicators: Options (extra cost)		
Indicator KPZ 52E-8 **instead of KPZ 52-18**		1252E8000000
Indicator KPZ 52E-8/1, *with pre tare and easy counting* **instead of KPZ 52E-8**		120030000000
Indicator KPZ 52E-8/1, *with pre tare and easy counting* **instead of KPZ 52-18**		12J030000000
Indicator KPZ 56E-3, professional *counting,addition,Tare input by hand,***instead of KPZ 52E-8**		120324000000
Indicator KPZ 56E-3, professional *counting, addition,Tare input by hand,* **instead of KPZ 52-18**		120324000000
Indicator KPZ 52E-9-1, Stainles steel housing (IP 67) easy *counting* **instead of KPZ 52E-8**		1252E9100000
Indicator KPZ 52E-9-1, Stainles steel housing (IP 67) easy *counting* **instead of KPZ 52-18**		1252J9100000
Printers: Options (extra cost) + costs for output RS 232		
Roller printer FAVORIT Plus, for KPZ 51(E)-*,		120024000000
Printer DR 7		120039000000
Printer DR 7 with date & time		120039100000
Label printer and code printer type DR 2 for KPZ 56E-1, KPZ 51E-9-2		120038000000
Print design for DR 2 on request		204333100000
serial interface / Setpoints: Options / extra costs		
Serial interface RS232 C for KPZ 52E-9-1		123071000000
Serial interface RS232 C for KPZ 56E-3 incl. PT and Addition		123080000000
Serial interface RS232 C for KPZ 56E-3 incl. RTC, w/out PT, w/out Addition		204300070000
Setpoints, 3 pcs for KPZ 51E-9-2 (more – OK – less)		120029002000
Software "KPZ Smart Scale" STANDARD (incl. RS232 serial interface)		5S0001000000
Software "KPZ Smart Scale" PROFESSIONAL (incl. RS232 serial interface)		5S0005000000
Software "KPZ Smart Scale" PREMIUM (incl. RS232 serial interface)		5S0010000000
Wi-FI Datatransfer		120005000000
Rechargable battery version		120040000000

Factoryfirst certification (extra charge)	€/pcs.	Artikel-Nr.
For Capacity from 0 kg to 21 kg		300PL0000020
For Capacity from 21 kg bis 200 kg		300PL0000200
For Capacity from 201 kg bis 500 kg		300PL0000500
For Capacity from 501 kg bis 3.000 kg		300PL0003000
For Capacity from 3.000 kg bis 10.000 kg		300PL0010000
For Capacity from 21 kg bis 200 kg Double range		300PLM000200
For Capacity from 201 kg bis 500 kg Double range		300PLM000500
For Capacity from.501 kg bis 3.000 kg Double range		300PLM003000
For Capacity from 3.000 kg bis 10.000 kg Double range		300PLM010000

... please contact us for special requests!

Wireless data transfer from weighing forks to indicator in the cab.

Options? Ask us, we do almost everything possible for you

Mobile weighing ! Saved working hours and money! ! !

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Forklift truck scale / Type: KPZ 75

200305 00 N UK €

KPZ 52F BLUETOOTH data transmission indicator, build in robust steel housing, 6 digits 25mm high backlit LCD display with status symbols. _Basic function:_ zero setting, tare, gross/net switching,Low-Bat indication, Adjustable settings-setpoint required value. _Power supply:_ 12VDC straight from the forklift. _Certificates_: CE-Konform, non approved version. Options (extra charge): _Communication:_ Serial interface RS232, _Power supply:_ battery version, incl.charger ;exchangeable battery version
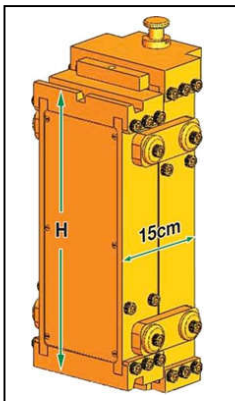
Accuracy: The patented linkages design offers maximum flexibility, which results in excellent accuracy with error within 0,1% of weighing capacity
Robust: The forklift scale is able to withstand head-on impact of more than 10 times weighing capacity
Compact: Each unit weights about 45 kg
Easy installation: Installing the scale onto the forklift is nothing more than installing forks. No screw, clamp or welding is required
Maximum visibility: Each unit of the scale is installed behind the fork. Therefore, there is no visual obstruction to the forklift operator to see loads and position forks for lifting.

Typ		Capacity kg	Division g	Aproval possible	Indicator		Article no
KPZ 75F	ISO 2A	0 do2500	1000	Ne	KPZ 52F1		75F0000X000
KPZ 75F	ISO 3A	2.500 do 4.500	2000	Ne	KPZ 5219		75F0000X000
KPZ 75F	ISO 4A	4.500 do 9.000	5000	Ne	KPZ 52F1		75F0000X000

Mobile weighing ! Saved working hours and money! ! !

200305 00 N UK €

KPZ 76/1 / Fork- lift truck scale M / Accuracy 0,05% on the weighing
Weights&measures | powder coating | good value for money| solid
As Option possible : OIML Class Ⅲ M SOLAS konform

German design and own EU production guarantees high quality. Mobile weighing Saved working time / simply use, `drive` directly under the pallet or load, lift up, weighing and drive the load to the point of use.

Accurate solid weighing system for fork lifts. Indicator is mounted on the left side of lift. On the right side of lift we mounted barttery to power supply. Thanks to this construction was created weighting device on the fork lift , which can be used to any fork lift. Possibility of fast weighing without waste of time during transport, truck loading, filling BIG-BAG, production and other industrial processes. Inbuild battery – 60 hours operatimg time. We can optional deliver changing batery.

Typ	délka vidlic	Capacity kg	Division kg	Approval possible	Indicator		Obj. č.
KPZ 76-1	ISO 2A	**600 - 2500**	**0,2 do 1,0**	No	KPZ 5219		761002A00XX(
KPZ 76-1	ISO 3A	**3.000 - 3500**	**1,0 do 2,0**	No	KPZ 5219		761003A00XX(
KPZ 76-1	ISO 3A	**4.000 - 5000**	**2,0**	No	KPZ 5116		761003A00XX(
KPZ 76-1	ISO 4A	**6000**	**2,0**	No	KPZ 5219		761004A00600
KPZ 76-1	ISO 4A	**8000**	**5,0**	No	KPZ 5116		761004A00800
KPZ 76-1E	ISO 2A	**2.000/2.500**	**0,2 do 1,0**	yes Ⅲ M	KPZ 52E7		761M02A00250
KPZ 76-1E	ISO 3A	**3.000/3.500**	**2,0 do 5,0**	yes Ⅲ M	KPZ 52E7		761M03A00350
KPZ 76-1E	ISO 3A	**4.000 do 5000**	**5,0**	yes Ⅲ M	KPZ 52E7		761003A00500
KPZ 76-1E	ISO 4A	**6000**	**5,0**	yes Ⅲ M	KPZ 52E7		761004A00600
KPZ 76-1E	ISO 4A	**8000**	**10,0**	yes Ⅲ M	KPZ 52E7		761004A00800

Options / extra costs		
Forks ISO 2B		76ISO02B0000
Forks ISO 3B		76ISO03B0000
Forks ISO 4B		76ISO04B0000

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German design and own EU production guarantees high quality.

KPZ-Váhy s.r.o.•Libošovice76•CZ507 44 Libošovice•GSM:00420736622710•Email:zander@kpzwaagen.de•
KPZ–Waagen - 30years - AFFORDABLE, ROBUST and GOOD ! ! **www.kpzwaagen.com**

Technical Detail :

		KPZ 76*	KPZ 76*	KPZ 76*
		ISO 2A	ISO 3A	ISO 3A
Capacity :		600-2500 kg	3000-3500 kg	4000-5000 kg
Dimension	A	1150 mm	1150 mm	1150 mm
	B	134 mm	158 mm	168 mm
	C	407 mm	508 mm	635 mm
	D	62 mm	69 mm	79 mm
Dead weight		140 kg	210 kg	260 kg
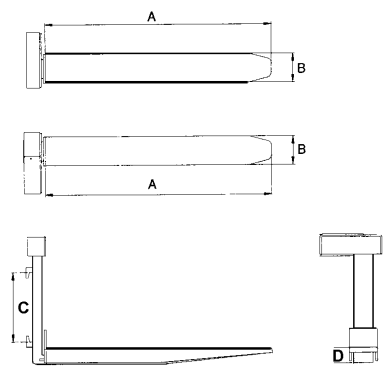
Other Capacity and Dimension on request

Weight : 70 kg piece
Centre of gravity
Xs 260 mm
Ys 210 mm

Battery box KPZ 76

Options? Ask us, we do almost everything possible for you

Mobile weighing ! Saved working hours and money! ! !

**German design and own EU production guarantees high quality.**
Wireless data transfer from weighing forks to indicator in the cab.

PZ - Waagen
German quality construction
INDUSTRIAL QUALITY

Made in EUROPA | NEW Option USB | KPZ-Waagen Software Příslušenství | WiFi Bluetooth Příslušenství | ETHERNET | Ex | M | 30 Jahre K-PZ WAAGEN

200305 00 N UK €

76F / Forklift truck scale M 🇪🇺 / Accuracy 0,05% on the weighing
Wireless data transfer from weighing forks to indicator in the cab.
As Option possible : OIML Class ⅢKlasse M SOLAS conform

German design and own EU production guarantees high quality. Mobile weighing saved working time / simply use, `drive` directly under the pallet or load, lift up, weighing and drive the load to the point of use. Robust weighing system for forklift trucks with high accuracy. Robust, solid housing from ABS in operator cabine . User-Friendly keybord protected by water and dust -proof foil, large functions keys, backlight LED indicator, 6 digit 25 mm high LCD-Display. Operating temperature –10°C do 40°C.

Before the built-in is needed to define the dimensions and size of the planned tr signed for weighing pallets. Edit dimensions possible by prior arrangement.uck load. Standard is a set de

Typ	carriage	Capacity kg	Division kg	Approval possible	Indicator		Art. nr
KPZ 76F	ISO 2A	**600 - 2500**	0,2 do 1,0	No	KPZ 5119		76F002A00XX0
KPZ 76F	ISO 3A	**3.000 - 3500**	1,0 do 2,0	No	KPZ 5119		76F003A00XX0
KPZ 76F	ISO 3A	**4.000 - 5000**	2,0	No	KPZ 5119		76F003A00XX0
KPZ 76F	ISO 4A	**6000**	2,0	No	KPZ 5119		76F004A00600
KPZ 76F	ISO 4A	**8000**	5,0	No	KPZ 5119		76F004A00800
KPZ 76FE	ISO 2A	**2.000/2.500**	0,2 do 1,0	yes Ⅲ M	KPZ 51E40		76FM02A00250
KPZ 76FE	ISO 3A	**3.000/3.500**	2,0 do 5,0	yes Ⅲ M	KPZ 51E40		76FM03A00350
KPZ 76FE	ISO 3A	**4.000 do 5000**	5,0	yes Ⅲ M	KPZ 51E40		76F003A00500
KPZ 76FE	ISO 4A	**6000**	5,0	yes Ⅲ M	KPZ 51E40		76F004A00600
KPZ 76FE	ISO 4A	**8000**	10,0	yes Ⅲ M	KPZ 51E40		76F004A00800
Options / extra costs							
Forks ISO 2B							76ISO02B0000
Forks ISO 3B							76ISO03B0000
Forks ISO 4B							76ISO04B0000

Packing 1 piece KPZ 76F, FEM 2 A | **wooden box 0,80 x 1,40 x 0,60 m, Weight : about 150 kg**

Wireless data transfer from weighing forks to indicator in the cab.

Accuracy 0,05% on the weighing

M 🇪🇺 24 months Warranty

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INDUSTRIAL QUALITY

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Indicator for KPZ 76 F

KPZ 5119F Standard for KPZ 76F
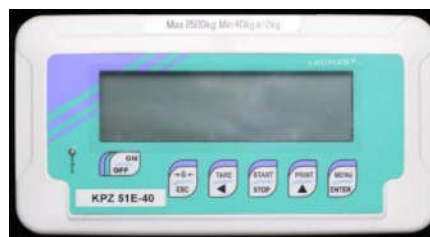
KPZ 51E40 pro KPZ 76FE

Technical Detail   :

		KPZ 76*	KPZ 76*	KPZ 76*
		ISO 2A	ISO 3A	ISO 3A
Capacity :		600-2500 kg	3000-3500 kg	4000-5000 kg
Dimension	A	1150 mm	1150 mm	1150 mm
	B	134 mm	158 mm	168 mm
	C	407 mm	508 mm	635 mm
	D	62 mm	69 mm	79 mm
Dead weight		140 kg	210 kg	260 kg

Other Capacity and Dimension on request

Weight : 70 kg piece
Centre of gravity
Xs 260 mm
Ys 210 mm

100x45
~716
Xs
Ys
1150

Wireless data transfer from weighing forks to indicator in the cab.

M EUROPA
24 měsíců záruka

PZ - Waagen
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INDUSTRIAL QUALITY

Made in EUROPA

NEW Option USB

KPZ-Waagen Software Příslušenství

WiFi Bluetooth Příslušenství

ETHERNET

Ex

M

30 Jahre K-PZ WAAGEN

200305 00 N UK €
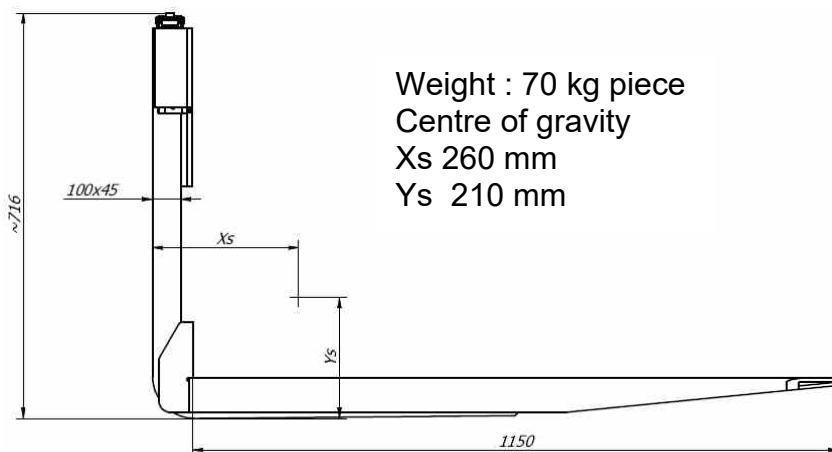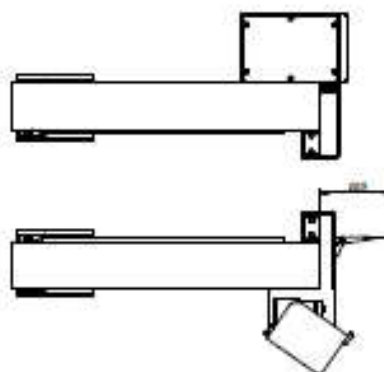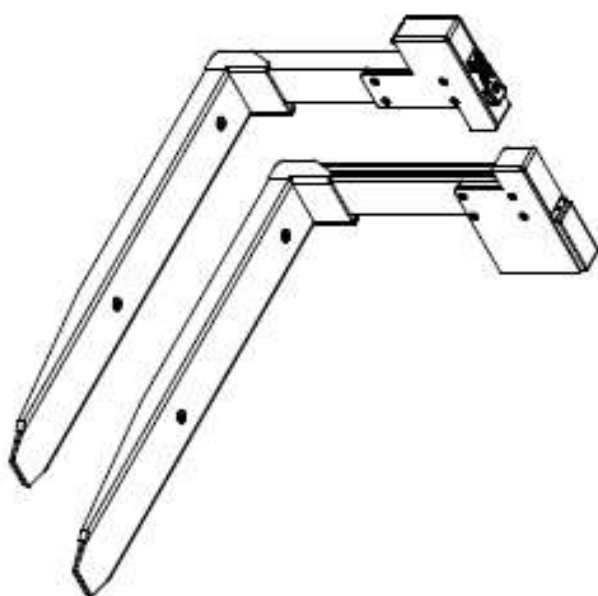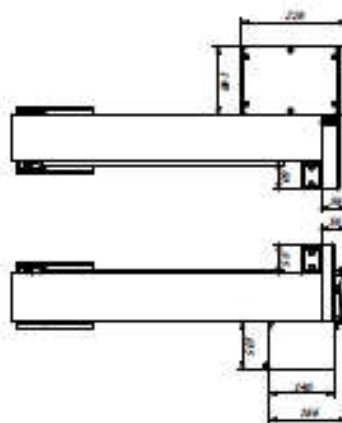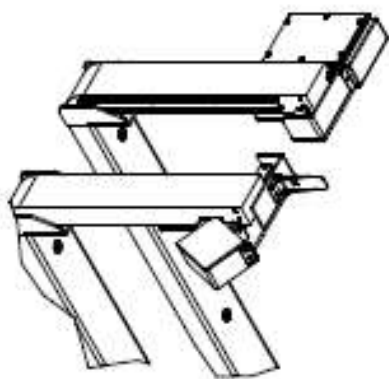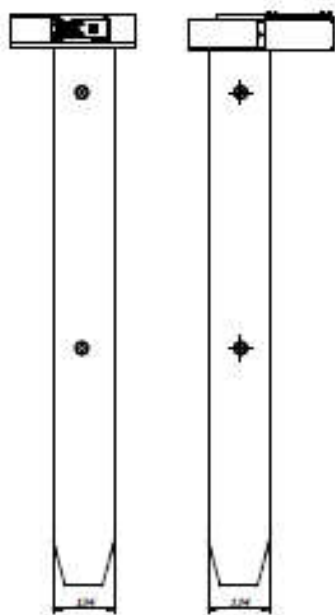
Options / accessories / extra charge		Article-Nr
Indicators: Options (extra cost)		
Delivery without Indicator KPZ 52E-8, REDUCED PRICE		1252E8OHNE00
Delivery without Indicator KPZ 52-18, REDUCED PRICE		125218OHNE00
Indicator KPZ 52E-8 **instead of KPZ 52-18**		1252E8000000
Indicator KPZ 52E-8/1, *with pre tare and easy counting* **instead of KPZ 52E-8**		120030000000
Indicator KPZ 52E-8/1, *with pre tare and easy counting* **instead of KPZ 52-18**		12J030000000
Indicator KPZ 56E-3, professional *counting,addition,Tare input by hand*,**instead of KPZ 52E-8**		120324000000
Indicator KPZ 56E-3, professional *counting, addition,Tare input by hand*, **instead of KPZ 52-18**		120324000000
Indicator KPZ 52E-9-1, Stainles steel housing (IP 67) easy *counting* **instead of KPZ 52E-8**		1252E9100000
Indicator KPZ 52E-9-1, Stainles steel housing (IP 67) easy *counting* **instead of KPZ 52-18**		1252J9100000
Printers: Options (extra cost) + costs for output RS 232		
Roller printer FAVORIT Plus, for KPZ 51(E)-*,		120024000000
Printer DR 7		120039000000
Printer DR 7 with date & time		120039100000
Label printer and code printer type DR 2 for KPZ 56E-1, KPZ 51E-9-2		120038000000
Print design for DR 2 on request		204333100000
serial interface / Setpoints: Options / extra costs		
Serial interface RS232 C for KPZ 52E-9-1		123071000000
Serial interface RS232 C for KPZ 56E-3 incl. PT and Addition		123080000000
Serial interface RS232 C for KPZ 56E-3 incl. RTC, w/out PT, w/out Addition		204300070000
Setpoints, 3 pcs for KPZ 51E-9-2 (more – OK – less)		120029002000
Software "KPZ Smart Scale" STANDARD (incl. RS232 serial interface)		5S0001000000
Software "KPZ Smart Scale" PROFESSIONAL (incl. RS232 serial interface)		5S0005000000
Software "KPZ Smart Scale" PREMIUM (incl. RS232 serial interface)		5S0010000000
Wi-FI Datatransfer		120005000000
Rechargable battery version		120040000000

Factoryfirst certification (extra charge)	€/pcs.	Artikel-Nr.
For Capacity from 0 kg to 21 kg		300PL0000020
For Capacity from 21 kg bis 200 kg		300PL0000200
For Capacity from 201 kg bis 500 kg		300PL0000500
For Capacity from 501 kg bis 3.000 kg		300PL0003000
For Capacity from 3.000 kg bis 10.000 kg		300PL0010000
For Capacity from 21 kg bis 200 kg Double range		300PLM000200
For Capacity from 201 kg bis 500 kg Double range		300PLM000500
For Capacity from.501 kg bis 3.000 kg Double range		300PLM003000
For Capacity from 3.000 kg bis 10.000 kg Double range		300PLM010000

... please contact us for special requests!

Wireless data transfer from weighing forks to indicator in the cab.

Options? Ask us, we do almost everything possible for you

Mobile weighing ! Saved working hours and money! ! !

German design and own EU production guarantees high quality.

PZ - Waagen German quality construction INDUSTRIAL QUALITY		Made in EUROPA	NEW Option USB	KPZ-Waagen Software Příslušenství	WiFi Bluetooth Příslušenství	ETHERNET	Ex	M	30 Jahre K-PZ WAAGEN

200305 00 N UK €

KPZ 39-* / Hydraulic-electronic scales for forklift

Transport and weighing in one operation ! ! !

200305 00 N UK €

KPZ 39-* / hydraulic Forklift scales

Hydraulic – maintenance free– robust
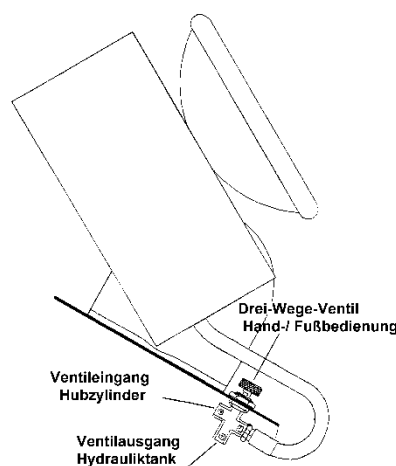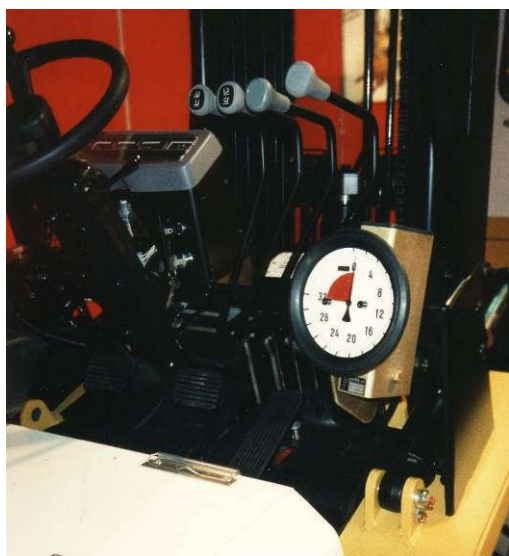
The weight indicator KPZ 39 has been specially developed for the robust forklift operation. This weight indicator has already proven itself in many of our customers in a tough industrial environment.

Generally, many forklifts may be equipped with the weight indicator KPZ 39. Self-assembly on every forklift is easily possible.

We supply the weight display type KPZ 39 in few different indicator scale, so no special adjustment in the type of truck is needed. This weight display can be used for all types of forklifts and forklift capacities. Moreover, the same weight indicator easily can be converted using the attached scale on any other truck in your fleet.

This weight indicator is connected to the hydraulic system of your forklift. The weighing process is launched by pressing a special valve (manually or by foot). The scale works only as long as as the valve is open. The zero / tare - suppression is quickly and easily possible with the rotary dial.

Technical description:

Accuracy : 1 % for final load for systems using pressure from 120 up to 250 bar.
(other on request) Scales diameter: 160 mm, display: white background, black 12 mm high digits, easy to read.
The weight display consists of a robust cast housing with a plexiglas enclosed in a rubber boot. It is a maintenance-free hydraulic rule.
The easy assembly and adjustment is possible on site with some measures. You must assembly only 2 short hydraulic hoses. First as connecting the cylinder for switching valve. Second from switching valve to the hydraulic tank. The valve has ¼ " thread..

Device	Capacity	Division		Artikel-Nr.
KPZ 39	1000kg	2kg		1390010000
KPZ 39	1500kg	5kg		1390015000
KPZ 39	2000kg	5kg		1390020000
KPZ 39	2500kg	10kg		1390025000
KPZ 39	3000kg	10kg		1390030000
KPZ 39	5000kg	10kg		1390050000

Warranty: 24 months for flawless quality of materials and workmanship, proper and normal use provided. Excluding batteries and chargers.

We reserve the right to make technical modifications without prior notification / price net EXW / shipping cost on request

Mobile weighing ! Saved working hours and money! ! !

200305 00 N UK €

KPZ 39-1 / Oil pressure weighing system for Forklift

Electronic - Hydraulic – maintenance free– robust

Every fork truck can in principle be equipped with the weight indicator KPZ 39-1, an additional do it your selv assembling at every fork truck is easily possible. The weight indicator KPZ 39- 1 has extra been developed for the rugged fork truck operation in the hardest industry input.

Principle :

The KPZ 39 - 1 measures the pressure in the hydraulic system of the lift truck and translates this into an indication of the weight on the forks. Since the measuring system is not physically strained, there is no wear. For the capacity from 0 to 1500 kg and 0 to 6000 kg with the standard oil pressure of 150 to 600 Bar, the weighing system is allready pre adjusted according to the standard oil pressure of 150 to 600 Bar.

The final adjustment with approved weight is easy made. Option for oil pressure more then 600 Bar on request.

The installation is very easy. A T-coupling is installed on the hydraulic lead, onto which the pressure sensor is mounted. The KPZ Sensor has a ¼ " - external thread for the Capacity from 1500 kg up to 6000 kg. Attention the T-coupling is not inc. the price. The KPZ – Indicator model KPZ 52-19 shows the weight.

Power supply : 8x1,5V AA Battery build in the indicator housing. Battery autonomy ca. 100 hours.

Option : 12-28 Volt DC direct from the Forklift possible.

Option : 12-28 Volt DC direct from the Forklift possible.

Option for Indicator : different types, also with stainlees housing like picture possible.

Typ		Capacity kg	Division kg	Možnost úř. ověření	Indicator		Artikel-Nr.
KPZ 39-1		0 – 1500kg	10 kg	No	KPZ 5219		1391001500
KPZ 39-1		0 – 3000kg	20 kg	No	KPZ 5219		1391003000
KPZ 39-1		0 – 6000kg	50 kg	No	KPZ 5219		1391006000
KPZ 39-1		0 - 20000kg	100 kg	No	KPZ 5219		1391020000

200305 00 N UK €

KPZ 39-3 / Hydraulic-electronic scales for forklift
Electronic - Hydraulic – maintenance free– robust

KPZ 39-3 weighing system's operation principle is based on measuring the working machine's hydraulic cylinder pressure. Pressure transmitter reading is automatically scaled to weighing information (kg's or lbs.) and displayed on the operating panel.

MAIN FEATURES: The weighing information can be shown as GROSS or NET weight. The operating device is equipped with internal memory which enables saving to different memory categories. Total weighing information is saved into the memory after powering down. A timestamp is stored to every saved measurement. Indicator and measuring block is set to oil pressure up to 100 Bar.

TECHNICAL DATA: Display dimension: 150x90x25mm, Display device IP-class IP40, Pressure sensor IP-class IP67, Operating voltage 8-30VDC, Pressure sensor range (Dynamic Block) 0 – 100 bar, Operating temperature: 0°C - +40°C, Storage temperature -30°C - +40°C, Power consumption backlight on: < 2W, Power consumption backlight off: <350mW, Power consumption while weighing with Dynamic Block: 12W, Total power consumption in standby mode: <250mW, Non approved version only.

Weighing tolerance: 0,2%

Weighing systems for higher oil pressure are possible on request.

Typ	Capacity Bar	division kg		Art.-no
KPZ 39-3 up to 100 Bar.	100Bar	2 kg		39300000000

Options / accessories / extra charge			Article-Nr.
Options / extra costs			
Option : up to 250 Bar.			3930000B250
Option : up to 400 Bar.			3930000B400

PZ - Waagen
German quality construction
INDUSTRIAL QUALITY

Made in EUROPA | NEW Option USB | KPZ-Waagen Software Příslušenství | WiFi Bluetooth Příslušenství | ETHERNET | Ex | M | 30 Jahre K-PZ WAAGEN

200305 00 N UK €

KPZ 502E-3, Scherstab-Wägezelle, legierter Stahl, IP68, C3
Shear beam load cell, alloy steel, IP68, C3
Tenzometrický snímač hmotnosti *alloy steel, IP68, C3*
Kapazität/Capacity/ Váživost : 250kg - 5000kg
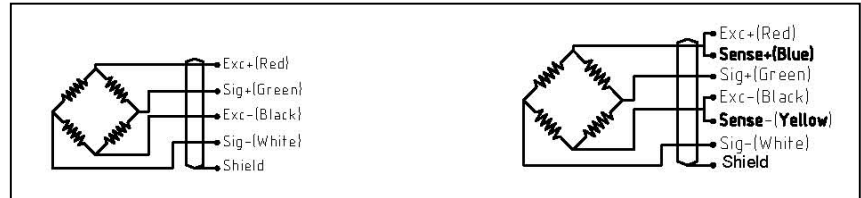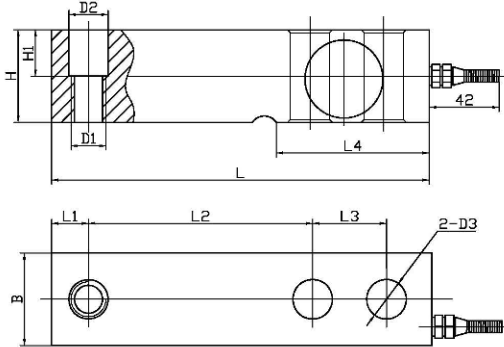
Abmessungen / *dimensions*:

Kapazität / capacity		L	H	B	L1	L2	L3	L4	D3	H1	D2	D1
250 – 2.500kg	mm	130,0	31,8	31,8	12,7	76,2	25,4	53,5	13,0	20,0	13,5	M 12 x 1,50
3.000 - 5000kg	mm	171,5	38,1	38,1	19,0	95,3	38,1	72,5	20,0	26	20,0	M 18 x 1,50

Technische Daten / *specification*:

Emax	t	0,25	0,5	1	1.5	2	2.5	3	5
Vmin	kg	0.02	0.05	0.1	0.15	0.2	0.25	0.3	0.5
Emin	kg	0							
Dmin	kg	0							
Humidity Class		CH							
Accuracy class		C3							
Zero balance	%F.S	±1							
Rated output	mV/V	3.0±0.0.003							
Y parameter		10000							
Z parameter		3000							
Resistance Input	Ω	400±10							
Output	Ω	352±3							
Insulation	MΩ	≥5000							
Safe load limit	%F.S	150							
Lateral load limit	%F.S	180							
Recommend excitaion	V.DC	10							
Maximum excitaion	V.DC	15							
Protection class		IP68							
Construction		Alloy steel							
Operating Temp Range	°C	-10~40							
Cable length	m	As per customers' requirements							

KPZ 502E-3, Scherstab-Wägezelle, legierter Stahl, IP68, C3
Shear beam load cell, alloy steel, IP68, C3
Tenzometrický snímač hmotnosti *alloy steel, IP68, C3*
Kapazität/Capacity/ Váživost : 7,5t – 10t

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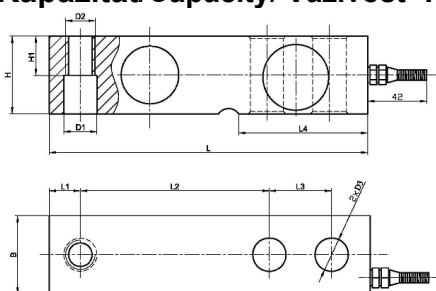
Abmessungen / *dimensions*:

Kapazität / capacity		L	H	B	L1	L2	L3	L4	D3	H1	D1	D2
7,5t – 10t	mm	225,5	50,8	50,8	25,3	124,0	50,8	102	27,0	25,4	27,0	M 24 x 2,0

Technische Daten / *specification*:

Emax	t	7.5	10
Vmin	kg	0.75	1.0
Emin	kg	0	
Dmin	kg	100	
Humidity Classification		CH	
Accuracy class		C3	
Zero balance	%F.S	±1	
Rated output	mV/V	3.0±0.03	
Y parameter		10000	
Z parameter		3000	
Resistance Input	Ω	400±20	
Output	Ω	352±3	
Insulation	MΩ	≥5000	
Safe load limit	%F.S	150	
Lateral load limit	%F.S	200	
Recommend excitaion	V.DC	10	
Maximum excitaion	V.DC	15	
Protection class		IP68	
Construction		Alloy Steel	
Operating Temp Range	°C	-10~40	
Cable length	m	As per customers' requirements	

KPZ 599-5, Bearing Foot for KPZ 502E-3 Shear Beam

KPZ 599-5 Stabiler Fuß zur KPZ 502E-3 Scherstab-Wägezelle

Stabilní nožička k KPZ 502E-3 shearbeam-snímač

Selfleveling, chrome plated with adjustable thread M12 or M18

Selbst nevilierend mit Kugel, verchromt, mit Gewinde M 12 oder M18

Samonastavovací s kuličkovým ložiskem, chromovaná se závitemM 12 nebo M 18
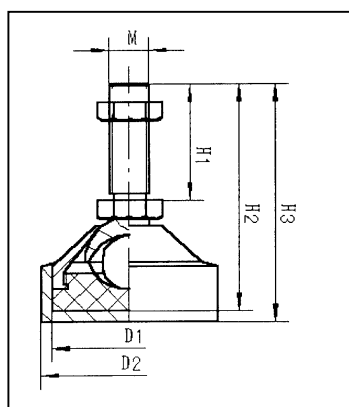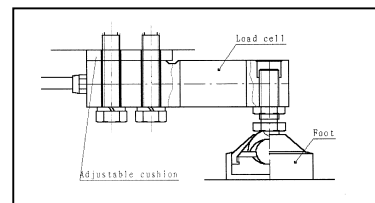
Technical data							
Capacity	Art. number	D1	D2	H1	H2	H3	M
250 – 2.500kg	01052E302500	Ø54 mm	Ø62 mm	45 mm	85 mm	85 mm	M 12 x 1,75 mm
3.000 - 5000kg	01052E305000	Ø54 mm	Ø62 mm	60 mm	105 mm	110 mm	M 18 x 1,50 mm

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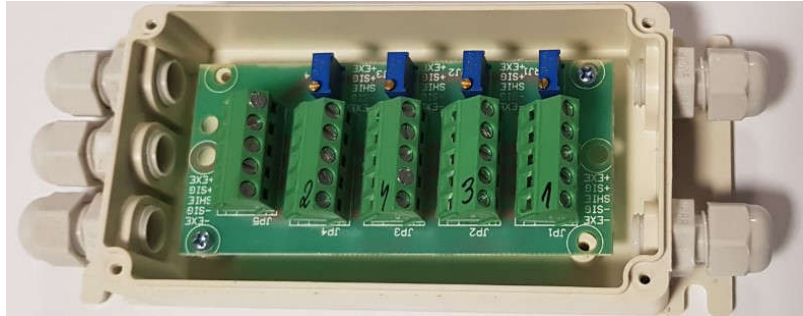
Z09090000000
Slučovací skřínka KPZ Z09-9, pro 4 tenzometry v robustním ABS pouzdře , s potentiometrem
KPZ Z09-9, junction box, board with potentiometer, for up to 4 load cells, in ABS housing, with cable glands:
Sammeldose KPZ 09-9, für 4 Wägezellen, im robustem Plasticgehäuse, mit Potentiometer.

KPZ 502E-3 Scherstab Wägezelle, Werkzeugstahl vernickelt, IP 68, Kap. 1000kg, Gewinde M12/M18, eichfähig C3
KPZ 502E-3 share beam load cell, nickel plated steel, IP 68, Cap. 1000kg, approved C3, M12/M18 thread
KPZ 502E-3 tenzometrický snímač, nástrojová ocel, pozinkovaný, IP 68, s polovičním dírovým závitem M 12/M18, cejchuschopný C 3,

Typ	Capacity/kg		Approval		Article No.
KPZ 502E3	250	alloy steel	YES/Ano/JA M		W052E3000250
KPZ 502E3	500	alloy steel	YES/Ano/JA M		W052E3000500
KPZ 502E3	1.000	alloy steel	YES/Ano/JA M		W052E3001000
KPZ 502E3	1.500	alloy steel	YES/Ano/JA M		W052E3001500
KPZ 502E3	2.000	alloy steel	YES/Ano/JA M		W052E3002000
KPZ 502E3	2.500	alloy steel	YES/Ano/JA M		W052E3002500
KPZ 502E3	3.000	alloy steel	YES/Ano/JA M		W052E3003000
KPZ 502E3	5.000	alloy steel	YES/Ano/JA M		W052E3005000
KPZ 502E3	7.500	alloy steel	YES/Ano/JA M		W052E3007500
KPZ 502E3	10.000	alloy steel	YES/Ano/JA M		W052E3010000
KPZ 502E3N	250	Stainless	YES/Ano/JA M		WN052E300250
KPZ 502E3N	500	Stainless	YES/Ano/JA M		WN052E300500
KPZ 502E3N	1.000	Stainless	YES/Ano/JA M		WN052E301000
KPZ 502E3N	1.500	Stainless	YES/Ano/JA M		WN052E301500
KPZ 502E3N	2.000	Stainless	YES/Ano/JA M		WN052E002000
KPZ 502E3N	2.500	Stainless	YES/Ano/JA M		WN052E002000
KPZ 502E3N	3.000	Stainless	YES/Ano/JA M		WN052E003000
KPZ 502E3N	5.000	Stainless	YES/Ano/JA M		WN052E005000
Feet	Fuß				
KPZ 599-5	250 – 2.500	Feet			010530023000
KPZ 599-5	3.000 - 5000	Feet			010530024000
KPZ 599-5	7.500 - 10000	Feet			010530025000
Junctionbox	Sammeldose				
KPZ Z09-9,					Z09090000000

Indicator Type	Article-Nr
Indicator KPZ 52E-8	Z52E80000000
Indicator KPZ 52E-8/1, with pre tare and easy counting	Z52E81000000
Indicator KPZ 56E-3, professional counting,addition,Tare input by hand	Z56E30000000
Indicator KPZ 56E-4, professional counting,addition,Tare input by hand, (frontpanel version)	Z56E40000000
Indicator KPZ 52-18	Z52180000000
Indicator KPZ 52-19 (forntpanel version)	Z52190000000
Indicator KPZ 52-7-2 (frontpanel version)	Z52720000000
Indicator KPZ 52E-9-1, Stainles steel housing (IP 67) easy counting	Z52E91000000
Indicator KPZ 51E-9-2, Stainles steel housing (IP 67), High/OK/LOW, 10 Memory	Z51E92000000

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German quality construction
INDUSTRIAL QUALITY

Made in EUROPA | NEW Option USB | KPZ-Waagen Software Příslušenství | WiFi Bluetooth Příslušenství | ETHERNET | Ex | M | 30 Jahre K-PZ WAAGEN

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KPZ Indicators

KPZ 52E-7 Klasse III M	**KPZ 52E-7/1** Klasse III M	**KPZ 56E-4** Klasse III M
KPZ 52E-9-1 Klasse III M	**KPZ 51E-9-2** Klasse III M	**KPZ 51E11 - 13**
KPZ 58-2 Klasse III M	**KPZ 52-19**	**Big display/second display**

KPZ 54E-* Klasse III M

KPZ 54E-* Klasse III M

PZ - Waagen German quality construction **INDUSTRIAL QUALITY**	Made in EUROPA	NEW Option USB	KPZ-Waagen Software Příslušenství	WiFi Bluetooth Příslušenství	ETHERNET	Ex	M	30 Jahre K-PZ WAAGEN

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KPZ Indikátory

Indikátor KPZ 52E – 8

Indikátor KPZ 52E7

Multirange division : **See technical data of the scale.** OIML Class $\overset{Klasse}{\text{(III)}}$ M

Description KPZ 52(E) - 7

Robust external case made from ABS incorporating a water-proof front keypad with large function keys.6- digit, 26 mm high LCD – Display with back-light function providing a clear and easily readable weight indication. Operating temperature – 10 to + 40 °C.   230 Volt-operation.

Function : automatic and manual Zero setting. Tare setting up to 100 %, switch Net and gross weight repeatedly. Optional RS 232 Data output and addition sum printing, minus indication, LCD back-light (3 settings), audible/visible alarm/check HIGH-OK-LOW   (That means two available value of weight), automatic selftest, Error message on display.

LED indication for : Zero, Tare weight, stabile, LOW Bat, power, addition memory.
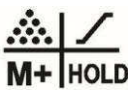
Options: Configurable RS 232 output, data output (different formats), Roller printer, label printer, set point (High-OK-Low),

Key	Description
ON/OFF	**This key is installed on the ABS housing.** This key is used to switch the indicator ON or OFF. When activated the display shows the →0← signal is on.
→0←	If the LCD Display is not indicating **0.00** , press this key to re-zero the scale. The display indicates that the ZERO signal is now on. The unit can zero ± 2 % of the max. capacity. Using this switch do not change the range of maximal capacity.
←↕T	This key is used to carry out tare and zero settings, when an existing weight is on the scale. If a TARE weight is stored, the Tare Signal will indicate over **Net**. As soon as you remove the TARE weight re-set to ZERO by the user of the scale, the display shows the weight with a minus symbol in front on the LCD display. The maximum weighing range is reduced for the tare value.Tare capability is 100% of the scale capacity, and can be used repeatedly. Multiple tare is possible. Negative weight values can be moved to **0.00**.
NET GROSS	**This key is used to switch between net and gross weight repeatedly. The display indicate Net or τ GROSS. This NET/GROSS key can be used only when the scale is in the tare mode. By showing the Gross value (τ GROSS) the other keys are closed.**
⊙	If a printer interface is installed, this key will print out (printer version) or transfer the weight data being displayed . The weight value is stored in the data logger. The display indicate τ M+ .To print the grand total of all printed weights the weight must be removed. The display shows →0← . Then press the ⊙ key twice the total sum of the weighing results will be printed .

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German quality construction
INDUSTRIAL QUALITY | Made in EUROPA | NEW Option USB | KPZ-Waagen Software Příslušenství | WiFi Bluetooth Příslušenství | ETHERNET | Ex | M | 30 Jahre K-PZ WAAGEN |

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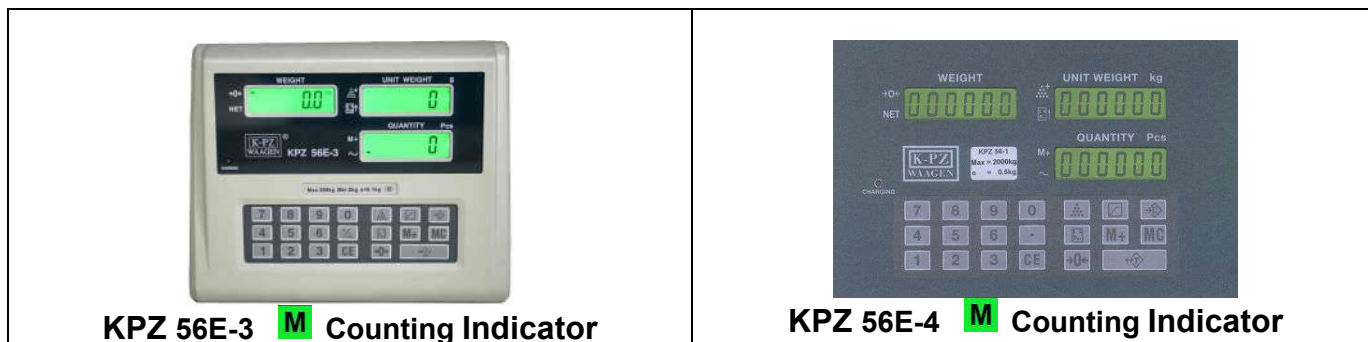
KPZ Indicators

KPZ 52-18 Indicator

KPZ 52-19 Indicator

Robust external case including a water-proof front keypad with large function keys.6- digit, 30 mm high LCD – Display with blue back-light function providing a clear and easily readable weight indication. Operating temperature – 10 to + 40 °C.   230 Volt-operation.Battery operation possible. **Function :** automatic and manual Zero setting. Tare setting up to 100 %, pretare function, switch Net and gross weight repeatedly. Optional RS 232 Data output and addition sum printing, minus indication,HIGH-OK-LOW function, totalizing function,   automatic selftest, Error message on display. **LED indication for :** Zero, Tare weight, stable, LOW Bat,HI LOW OK .
Options:RS 232 output, data output, Roller printer,

Key	Function	Hold for 1 sec.
⊙	Printout / data output (Option)	Communication settings
Σ	Totalizing	
M+|HOLD	Modus selection / Function	
NET B/G	Switching between net and gross weight (net mode)	
UNIT	switching units	
🗍\🗍	Switch between weight / unit weight (piece counting mode)	
↔T	Tare	1. Backlight 2. Switch on zero setting 3. Gravitation value
↔PT	Pretare	
→0←	Zero	battery voltage

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KPZ Indicators

**KPZ 56E-3** M **Counting Indicator**

KPZ 56E-4 M **Counting Indicator**

Optimal unit weight for the piece count: 1/5 of the scale division.

This high-quality Parts Counting Indicator can be used in all types of uncertified and for trade weighing applications. Due to the high external resolution and the 20x expanded internal resolution, the unit is ideally suitable for both small and large item component counting. The expanded internal resolution of the indicator provides clear signal stability and repeatability. The 3 window highly visible LCD-Display provides the operator with clear data information. Additionally, with the robust construction of a steel housing, built-in rechargeable battery, and the simple to operate dust and waterproof front keypad, makes this part counting indicator a valuable tool for all industrial weighing & counting applications.

Description of Keypad

0 to 9 and .	Use to enter piece weight, total quantity or Tare value.
CE:	Deletes all value entered via the keypad.
→0←	1) Use this key to Zero the scale 2) Use this key by pressing twice to enter backlight options (see Backlight Function)
→⊤	Use this key to Tare the scale
⸪	Use this key to confirm entered quantity.
⌶	Use this key to confirm entered piece weight.
▱	Use this key to pre-set upper count limit, when the value is achieved an audible signal will be emitted.
→▱	Use this key to save a piece weight in memory.
M+	Count accumulation key.
MC	Deletes all accumulation count in memory.

Standard features : Indicator: Display indication 1/30.000, internal divisions 1/600.000. Built-in calibration routine. Automatic & manual zero setting. 100% Tare. Piece Counting. The tare value and the piece weight can be weighed or entered via the front keyboard. The indicator has a 10 piece weight memory. 3 window LCD display with back-lighting option showing weight, quantity and individual piece weight. Counting accumulation. Audible peak alarm for Multi counting applications.
Symbol indication shown at display for : Power re-charging control, LO-BAT. Zero, Tare, Stable, Memory, Piece number, Piece weight.
Options :
Factory configured serial interface (RS 232). With this interface in addition to date, weight & count information, two additional 15 character line entries can be included (for example Item number, operator number etc.) Printing from this interface via a single tally roll printer or label printer which will print all data in a numerical format, or in a range of standard **Barcodes**.

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KPZ Indicators

KPZ 52E-9-1 Indicator, IP 67

KPZ 52E-9-1P Indicator
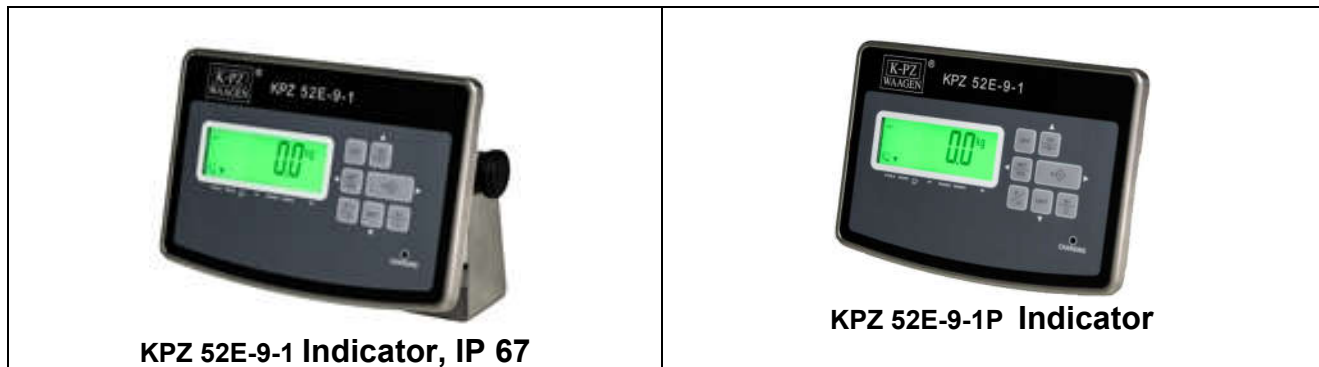
OIML trade approved Class III [M] **, 10.000 e**

Technical data: Indicator: KPZ 52E-9-1 robust, stainless steel housing **IP 67**, user-friendly, large function keys. LCD display: 6 digit, various symbols, backlight, high of digits 25 mm. Operating temperature from –10°C up to +40°C , operation 230 Volt through external power supply, inbuilt battery (possibility of battery operation).
Functions: automatic and manual zero setting, switch Net/Gross weight, 100% tare, multiple tare, unit switching, simple piece counting by reference no. 10, 20, 50, 100 i 200. Possibility to enter data and bring out data through serial interface (optional): computer functional control , possibility of choosing different exit formats,**printout in simple format,** edition activation : via computer**,** continuously or after zero come back. Minus indication, LCD backlight, automatic shut off after 0-9 minutes, pre-set value control or limit value control LOW – OK - HIGH (any two weight values to choose, tone or light signal), electronic stabilization filter and signal distortion, automatic self test, error messages.
Indication: zero setting, gross, net, stability, LOW-Bat indication, pre-set/limit value, too small piece quantity or too small weight. **LED:** charging status. **Options:** serial interface RS 232, battery, label printer

Key functions:

Key	Descrition
ON **→0←**	*switch the indicator ON* *Switch the indicating to 0.00*
O F F	*switch the indicator OFF*
↔T	*TARE function*
NET **GROSS**	*Switch over Net / Gross Tare, repeatedly*
UNITS	*Switch over weighing units*
F/HR	**In approval version: High resolution indication (5 sec)**
M **+**	**Totalizing and printout/ data output**

Robust external case including a water-proof front keypad with large function keys.6- digit, 30 mm high LCD – Display with blue back-light function providing a clear and easily readable weight indication. Operating
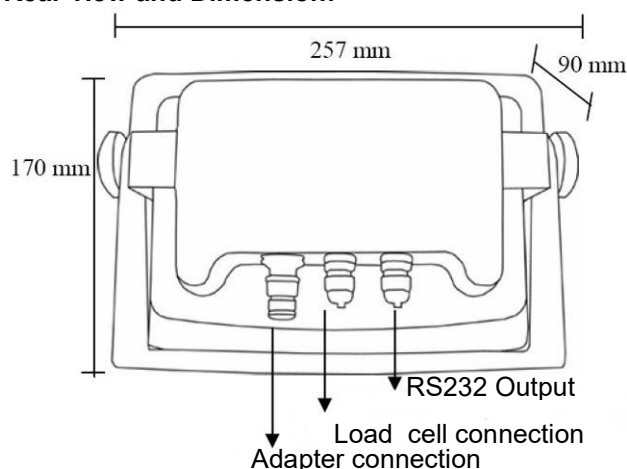
PZ - Waagen
German quality construction
INDUSTRIAL QUALITY

Made in EUROPA | NEW Option USB | KPZ-Waagen Software Příslušenství | WiFi Bluetooth Příslušenství | ETHERNET | Ex | M | 30 Jahre K-PZ WAAGEN

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IP 67,
10 Setpoint memory
Tare setting by key,
Zero setting,
Alarm / check control setting,
back light LCD-Indicator,
Addition sum memory,
Multi range division,

OIML Class (III) **Klasse** **M** **10.000 e**

Keypad :

Rear view and Dimension:

257 mm
90 mm
170 mm

RS232 Output
Load cell connection
Adapter connection

(For IP 67 use only cable diameter from 3 to 5,5mm)

Short description KPZ 51 E – 9 – 2 :

Case:
Compact, robust, high-quality stainless steel case **IP 67.**
with hanger to the wall mounting or table mounting (optional stand possible), cable connecting by cable glands.

Indication and keyboard:
6-digit 25 mm high LCD – Display with back-light function providing a clear and easily readable weight indication, and a great, illuminated, coloured joist graphic display, membrane keypad with 16 buttons.
Symbol indication for : zero, tare, stable, LOW Bat, accumulator tension joist , check weighing HIGH-OK-LOW.

Basic functions:
automatic and manual Zero setting. Tare setting op to 100 %, Pretare, switch Net, tare and gross weight repeatedly. Target weight check tolerance with+(/), limit value control (limit = range of Low/Ok/High), 10 debit-/ limit value lofts. About parameter attitude:
Percentage function, automatic switching off of backlight and electronics, interface functions and parameter.

Feature :
Multi range, selectable weighing unit, automatic zero correction, automatic shutoff 0-9 minutes, automatic. Backlight, digital stabilization and disturbance filters, measuring speed, gravitation zones, self-test function and error messages.

Energy:
internal accumulator, power supply unit of 230 VAC.

Certifications:
EU-calibrating admittance class (III) to 10,000 e.
Technical date:
Max . recommended external resolution 30,000 div, min . sensitiveness 0.3 µ V/d, supply voltage 5 VDC, zero input signal-1 to 5 mV, weight input signal-1 to 14 mV up to four 350 Ω load cells, linearity 0.01% F.S.,operating temperature-10 to +40° C. **ptions:** Configurable RS 232 output, data output (different formats), Roller printer, label printer, set point (High-OK-Low),

Extended functions and optional possibilities (surcharge):

Connection:
Serial interface RS232 bidirectional, data output format and mode choice, factory programmable format, date and time, relay exit for alarm/check points.

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KPZ-Váhy s.r.o.•Libošovice76•CZ507 44 Libošovice•GSM:00420736622710•Email:zander@kpzwaagen.de•
KPZ–Waagen - 30years - AFFORDABLE, ROBUST and GOOD ! ! **www.kpzwaagen.com**
We reserve the right to make technical modifications and price changes without prior notification. Warranty:The parts and components are warranted for two years
from the date of delivery against defects in materials and workmanship, provided proper and normal use condition, excluding batteries and chargers.

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INDUSTRIAL QUALITY

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KPZ 54-* / Touch screen indicator

- **Touch Operating System for user friendly and fastest operations.**
- **Multi-printer selectable**
- **Custom printout options,**
- **Multi -language support**
- **Report management.**
- **PC keyboard and Mouse can be connected**
- **Software upgrade option.**
- **9999 products possible to store in memory.**
- **designed for multiple use, such as Weighing, Target, Counting, Check weighing and Recipe operations.**
- **2xUSB port, 1xRS232, optional more ports possible**
- **7' or 8' display possible**
- **Robust ABS or stainless steel housing possible**
- **Dual scale option (extra charge) possibility**

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KPZ 51E-45K

IP69K

AISI 304 stainless steel weight Indicator (dimensions: 206x286x108 mm) with 6 PG9 cable glands, **IP69K protection rating**, stainless steel adjustable bracket included (overall dimensions with bracket: 206x290x187 mm). Optionals: panel / desk / column mounting. Six-key membrane keyboard with buzzer. Real-time clock with buffer battery.

Weight reading by another instrument via serial port.

Two serial ports (RS232 and RS485) for connection to:
- PC/PLC up to 32 instruments (max 99 with line repeaters) by ASCII protocol or ModBus RTU.
- Remote display.
- Printer.
-Optional integrated output: Profibus DP, DeviceNet, CANopen, Profinet IO, Ethernet/IP, Ethernet TCP/IP ,Modbus/TCP.

Main functions:
- 5 setpoints (4 setpoints if Analog Output is present) configurable as normally open or normally closed. The operator can decide the setpoints activation for the net weight value, gross weight value, otherwise for positive weights or for positive and negative weights.
- Counting.
- Totalizing.
- Setting of hysteresis value for each setpoint.
- 12 groups selection by 5 setpoint from selector switch or contacts (EC/E options).
- Peak holder displaying by closing the Peak contact.
- Net/Gross function by keyboard or external contact.
- Manual adjustment of zero value in case of zero-setting not possible.
- Auto zero function.
- Auto zero-tracking function.
- Print of the weight via keyboard or external contact with date and time.
Operation: The inputs can work as: net/gross weight, zero-setting, peak, print or can be remotely read via protocol.
The outputs can works as setpoints or can be remotely switched via protocol.
Weight transmitter approved OIML R61 (Automatic Gravimetric Filling Instruments) according to WELMEC Guide 8.8:2011 (MID).
approvable EN45501-2014/31/UE-OIML R76:2006
- Maximum number of verification scale intervals n=10000
- Minimum input-voltage per VSI 0.2 µV
- Weighing range single range or multi range (max 3) or multi interval (max 3)
-Calibration via keyboard is protected through seals for the access to a setting jumper or installer password
- Semi-automatic zero and tare, predetermined tare funcions.
- Weight subdivisions displaying (1/10 e)
- The following values can be printed from external contact: net/gross weight; tare; predetermined tare; date; time; ID code (if alibi memory is present)

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KPZ 51E-41 indicator

Characteristics:	**Option (extra charge):**

Characteristics:
Software: Base
- Zeroing
- Tare
- Hand tare
- Gross / Net switching
- simple piece counting
- Add function
- automatic zeroing function

Function (Optional):
- Print function including date and time,
- external button
- I / O inputs as net / gross switching, zeroing, peak value, printout
- I / O outputs as set point function
- Communication protocol via serial interface
- 5 set points (4 set points if analogue output is available) Configurable as open or normally closed. The set points can be set as net weight, gross weight, for positive or for positive and negative weights.
- Setting the hysteresis value for each set point.

Option (extra charge):

- Wall mounting
- Stand
- Battery
- Alibi memory
- Analog output
- I/O's, relay output
- Printer
- Serial interface RS232 and RS485
- Remote display
- Profibus, Ethernet TCP/IP, Modbus, CANopen, DeviceNet.

Power supply:
- Mains 110-240VAC, 3m long cable

Technical Data:
-LCD display, backlit (6 digit 20mm high, semi alphanumeric)
- 16 icon displays
- Robust ABS housing IP67
- Temperature range: -10 ° C to 40 ° C
- dim. 122x226x164mm
- EU type approval Class III to 10,000e

PZ - Waagen German quality construction **INDUSTRIAL QUALITY**	Made in EUROPA	NEW Option USB	KPZ-Waagen Software Příslušenství	WiFi Bluetooth Příslušenství	ETHERNET	Ex	M	30 Jahre K-PZ WAAGEN

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Big display (second display), can be combined with all KPZ Indicator

Model : KPZ GD 1-1
150057052000 Large display KPZ GD1-1, 6-digit, 127 mm LED dot matrix, with 5m connection cable and interface for connection to the display KPZ 52 (E) - *

Model : KPZ GD 2
150057062000 Großanzeige KPZ GD2-1 6-stellig, 76 mm LED's dot Matrix, mit 5m Anschlußkabel und Interface zum Anschluß an die Anzeige KPZ 52 (E)-*

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PC Software K-PZ Smart Scale

Software K-PZ Smart Scale is a modern software specially designed to manage weighing data. A custom function selection is possible depending on different stages of development. Moreover, it is possible to customize software according to customer requirements.

It provides an extremely user-friendly interface and easy of operation.

Software used to manage weighing data, transmitted via the interface of the scale.

It saves time and transmission errors that may occur by manual data input.
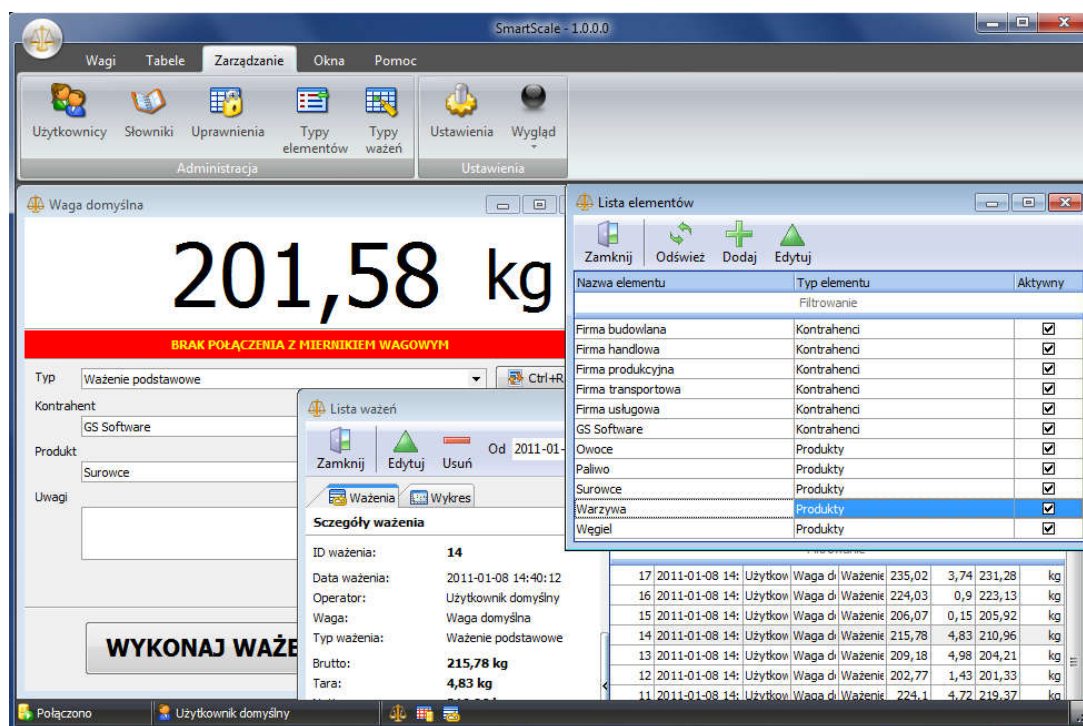
View of the main window

Depending on the configuration following option possible :

- Adjustment of customer-specific data
- Admin data managing
- User managing
- Export to TXT, CSV, RTF, JPG, XLS file
- Print out
- Label printing

Software comes with a USB flash drive activation key.

system Requirements:

Minimum requirements:

- hardware – Processor Intel Pentium 4, 512 MB RAM, 100 MB of the hard drive free;

- software: Windows 2000 (SP4), XP (SP2), Vista, Win7

PZ - Waagen
German quality construction
INDUSTRIAL QUALITY

Made in EUROPA | NEW Option USB | KPZ-Waagen Software Příslušenství | WiFi Bluetooth Příslušenství | ETHERNET | Ex | M | 30 Jahre K-PZ WAAGEN

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Depending on version of KPZ Smart Scale , the following functionality is possible:

Function	Programm version		
	Standard	Proffessional	Premium
Facility to connect only one scale indicator	X		
Facility to connect any number of indicators the same time		X	X
Handling any model of KPZ indicator	X	X	X
Access to weighing list data window	X	X	X
Export weighing list data to the .TXT or .CSV file	X	X	X
Export weighing list data tot he .XLS file(installation of MS Excel not necessary)		X	X
Weighing list data overview on the chart	X	X	X
Save the chart (weighing list data) as a picture	X	X	X
Weighing search	X	X	X
Weighing ticket preview	X	X	X
Save weighing ticket as PDF file	X	X	X
Edit data assigned to the weighing	X	X	X
History of weighing changes preview			X
Access to the Report Generator		X	X
Generating report to any data		X	X
Save the report as .PDF file		X	X
Export report data to .RTF,.CSV, .JPEG, XLS file (installation of MS Excel is necessary)		X	X
Export report data to . XLS file (installation of MS Excel not necessary)			X
Using programm as default user (with out Log in-Panel)	X		
Using programm as definied User or Admin		X	X
User Authorization Management			X
Facility to perform weighing without additional data	X	X	X
Facility to perform weighing with additional data: contractor, product, comments,	X	X	X
Facility to perform weighing with additional data: contractor, product, comments, + 2 additional dictionaries, + 2 additional text fields		X	X
Facility to perform weighting with any data type. Possibility to build any data structure.			X
Access to the window allowing to create dictionaries in a database			X
Network version		X	X
Print out as graphic or text mode	X	X	X
Facility to print out the logo on the ticket weighting (graphic mode)	X	X	X
Facility to create license data (one set only)	X		
Facility to create any number of license data set		X	X
Virtual Scales mechanism (planned)		X	X
Label ticket operation (planned)		X	X
Multi-language	X	X	X

PZ - Waagen German quality construction INDUSTRIAL QUALITY	Made in EUROPA	NEW Option USB	KPZ-Waagen Software Příslušenství	WiFi Bluetooth Příslušenství	ETHERNET	Ex	M	30 Jahre K-PZ WAAGEN

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Printers for KPZ scales

More printers and options on request!

Thermal printer Favorit 24	
Dimmensions	85 x 85,5 mm (B x H)
Own weight	150 g
Power supply	Scale's battery
Interface	serial RS232
Version	Thermo-Direkt-Drucker, 203 dpi,
Paper	Paper width: 57 mm

Ticket printer DR 2	
Dimmensions	93x173x190 mm (B x H x T)
Own weight	1,2 kg
Power supply	230 VAC / 20 V DC 2,5 A
Interface	serial RS232, Parallel
Version	Thermo-Direkt-Drucker, 203 dpi,
Paper	Etiquette width : max 61mm

Ticket printer DR 6	
Dimmensions	ca. 109 x 171 x 209 mm (B x H x T)
Own weight	ca. 1,2 kg
Power supply	100-240 VAC / 24 VDC 2,1 A
Interface	seriell RS232, Parallel
Version	Thermo-Direkt-Drucker, 203 dpi,
Paper	Etiquette width: 15-60mm

Thermal printer Favorit	
Dimmensions	85 x 85,5 mm (B x H)
Own weight	150 g
Power supply	Scale's battery
Interface	serial RS232
Version	Thermo-Direkt-Drucker, 203 dpi,
Paper	Paper width: 57 mm

Rollerprinter DR 7	*NEW*
Dimmensions	110 x 125 x 70 mm (B x H x T)
Own weight	600 g
Power supply	230 VAC / 9 V DC 3,2 A
Interface	RS232, USB
Version	Thermo-Direkt
Paper	Papierbreite: 58mm, 20m, Ø40mm

Rollerprinter DR 7	
Dimmensions	160 x 139 x 248 mm (B x H x T)
Own weight	2,3 kg
Power supply	230 VAC / 20 V DC 2,5 A
Interface	serial RS232, Parallel
Version	9- Needle printer, alphanumerischer Ausdruck
Paper	Paper width: 76 , 69,5 or 57,5 mm max. 40 digits on column

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PZ - Waagen
German quality construction
INDUSTRIAL QUALITY

Made in EUROPA | NEW Option USB | KPZ-Waagen Software Příslušenství | WiFi Bluetooth Příslušenství | ETHERNET | Ex | M | 30 Jahre K-PZ WAAGEN

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KPZ 719SJDR
Exemplary formats
Indikátor KPZ 52 19

Indicator KPZ 5218


```
TICKET   NO.0001

GS    124.5  kg

TR     20.0  kg

NT    104.5  kg



TICKET   NO.0002

GS    124.0  kg

TR     20.0  kg

NT    104.0  kg



TOTAL NUMBER

OF TICKETS 0002

TOTAL WEIGHT

         248.5  kg
```

```
23/08/2016,16:42:45

TICKET NO.0001
G        2.0kg
T        0.0kg
N        2.0kg




23/08/2016,16:43:01

TICKET NO.0002
G        5.6kg
T        0.0kg
N        5.6kg




23/08/2016,16:43:13

TOTAL NUMBER
OF TICKETS 0002
TOTAL
NET      7.6kg
```

PZ - Waagen
German quality construction
INDUSTRIAL QUALITY

Made in EUROPA | NEW Option USB | KPZ-Waagen Software Příslušenství | WiFi Bluetooth Příslušenství | ETHERNET | Ex | M | 30 Jahre K-PZ WAAGEN

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KPZ printers

Exemplary formats / Indicator KPZ 52(E) – 7 / Indicator KPZ 52(E) - 8

Examples are standard formats to printers KPZ. Possibility computer formats. Possibility of formats on customer request!

Exemplary print out
Simple format 3

```
S/N          WT/kg
- - - - - - - - - - - - - -
0001        100,0
0002        200,0
0003        300,0
- - - - - - - - - - - - - -
0003        600,0
```

Exemplary print out
Complete format 4

```
TICKET NO.0001
G        100,0g
T          0,0g
N        100,0g

TICKET NO.0002
G        200,0g
T          0,0g
N        200,0g

TICKET NO.0003
G        300,0g
T          0,0g
N        300,0g

TOTAL NUMBER
OF TICKETS   0003
TOTAL
NET        600,0g
```

G = Gross
T = Tare
N = Netto

Exemplary print out

Stable format 5

```
S/N          WT/kg
- - - - - - - - - - - - - -
0001        100,0
0002        200,0
0003        300,0
- - - - - - - - - - - - - -
0003        600,0
```

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PZ - Waagen
German quality construction
INDUSTRIAL QUALITY

Made in EUROPA | NEW Option USB | KPZ-Waagen Software Příslušenství | WiFi Bluetooth Příslušenství | ETHERNET | Ex | M | 30 Jahre K-PZ WAAGEN

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KPZ printers

Exemplary formats / Indicator KPZ 56-3/ KPZ 56-4 / KPZ 2-04-7 scale

Examples are the standard formats. Other formats are possible on request.

Example - format 1:

20.000	kg
7.975	kg
12.125	kg
13.380	kg

Example - format 3:

Date: 03-03-00		
Time: 09:04:43		
ID#: 123456789012345		
Part#: 543210987654321		
Ticket	NO.	1
Q´TY	40	PCS
APW	100	g
G/B	5.000	kg
T	1.000	kg
N	4.000	kg

Example - format 2:

Ticket	NO.	1
Q´TY	40	PCS
APW	100	g
G/B	5.000	kg
T	1.000	kg
N	4.000	kg

Ticket	NO.	2
Q´TY	290	PCS
APW	100	g
G/B	30.000	kg
T	1.000	kg
N	29.000	kg

TOTAL TICKETS:	2
TOTAL Q´TY:	330 PCS

Date: 03-03-00		
Time: 09:04:43		
ID#: 123456789012345		
Part#: 543210987654321		
Ticket	NO.	2
Q´TY	290	PCS
APW	100	g
G/B	30.000	kg
T	1.000	kg
N	29.000	kg

TOTAL TICKETS:	2
TOTAL Q´TY:	330 PCS

Example - format 4:

S/N	WT/kg	PCS

1.	20.000	3333
2.	20.000	3333
3.	8.000	1333

3/	TOTAL	Q´TY:
	7999	PCS

Example - format 5:

Date: 03-03-00		
Time: 09:04:43		
ID#: 123456789012345		
Part#: 543210987654321		
S/N	WT/kg	PCS

1.	20.000	3333
2.	20.000	3333
3.	8.000	1333

3/	TOTAL	Q´TY:
	7999	PCS

PZ - Waagen
German quality construction
INDUSTRIAL QUALITY

Made in EUROPA

NEW Option USB

KPZ-Waagen Software Příslušenství

WiFi Bluetooth Příslušenství

ETHERNET

Ex

M

30 Jahre K-PZ WAAGEN

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Printing formats

Indicator KPZ 56E-3 / KPZ 56E-4

Scale KPZ 2-04E-7

inkl. PT and Addition

Indicator   KPZ 51E-9-2

standard format

```
NO.        1
G      276.7  kg
T      104.5  kg
PT      22.2  kg
N      150.0  kg
U/W    12   kg
PCS    13 pcs
```

```
NO.        2
G      176.7  kg
T      104.5  kg
PT      22.2  kg
N       50.0  kg
U/W    12   kg
PCS    4 pcs
```

```
===============
T/N          2
T/W      200.0  kg
T/A      17 pcs
```

PT = Pretare

U/W = Unit Weight
PCS = Quantity

T/N = Total weighings
T/W= Total Netto weight
T/A= Total quantity

Example - format 1:

```
DATE: 03/03/2000
TIME:  09:04:43
TICKET NO.    01
NET:        +    4.500   kg
GROSS:    +    6.000   kg
TARE:      +    1.000   kg
PRETARE: +    0.500   kg
```

```
DATE: 03/03/2000
TIME:  09:04:55
TICKET NO.    02
NET:        +    5.500   kg
GROSS:    +    6.000   kg
TARE:      +    0.000   kg
PRETARE: +    0.500   kg
```

```
DATE: 03/03/2000
TIME:  09:05:35
TOTAL NO.    02
TOTAL NET:  +   5.500  kg
```

PZ - Waagen
German quality construction
INDUSTRIAL QUALITY

Made in EUROPA

NEW Option USB

KPZ-Waagen Software Příslušenství

WiFi Bluetooth Příslušenství

ETHERNET

Ex

M

30 Jahre K-PZ WAAGEN

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KPZ 2114

KPZ 2-11-3 M   **KPZ 2-02-4** M   **KPZ 2-03-10** M IP 65   **KPZ 2-04-7** M   **KPZ 2E-06S** M Ex

KPZ 2082 Dual counting System

Klasse III

KPZ 1 M Ex   **KPZ 1 B** M   **KPZ 2B** M   Klasse III **KPZ 2S** M

KPZ 2ECO M   **Drive throught Scale**   **KPZ 2D** M Ex   Klasse III

KPZ 71-* M Ex
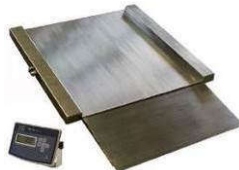
Stainless Steel **DIN 1.4301, extrem solid and stable construction, IP 67, 68 and 69K**

KPZ 72 M Ex   **KPZ 73B**   **KPZ 73SDJ**   **KPZ 73** M   **KPZ 74** M   KPZ 76 M Weighing Forks

KPZ 39
Hydraulic Forklift scale

Crane scale M   **Coil Scale**   **Animal scale** M   **Silo weighing**

M Made in EUROPA
24 months Warranty

Special models are our speciality!

201,58 kg

KPZ PC Software

PZ - Waagen
German quality construction
INDUSTRIAL QUALITY

Made in EUROPA | NEW Option USB | KPZ-Waagen Software Příslušenství | WiFi Bluetooth Příslušenství | ETHERNET | Ex | M | 30 Jahre K-PZ WAAGEN

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M o b i l e   KPZ scales

KPZ 71- 7 M Třída (III) Ex
Many Option possible

Option   KPZ 71-7

KPZ 71- 8 M
2.200kg / 200g

KPZ 71-9
2.200kg / 500g

KPZ 72 M

KPZ 72, 2400mm,3200kg

KPZ 73 M

KPZ 73 SDJ M

KPZ 73 B M

KPZ 74 M

Weighing forks Forklift truck scale

KPZ 39
Electronic – Hydraulic version

Touch sreen Indicator 7-Zoll

NEW

Scale for Coil's

German design and own EU production guarantees high quality.

PZ - Waagen
German quality construction
INDUSTRIAL QUALITY

Made in EUROPA

NEW Option USB

KPZ-Waagen Software Příslušenství

WiFi Bluetooth Příslušenství

ETHERNET

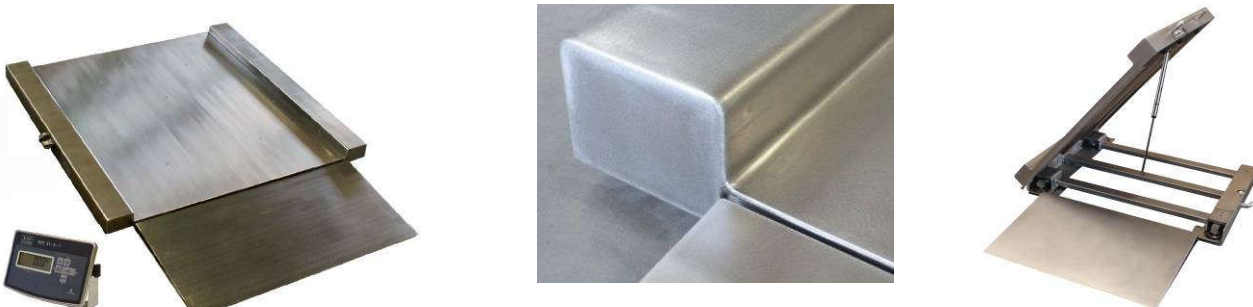Ex

M

30 Jahre K-PZ WAAGEN

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Stainless steel Material : DIN 1.4301 / 1.4541 / 1.4404

KPZ-Waagen, Stainless steel scale and Indicator, IP 67/68/69K

Platform Scale KPZ 2N, Stainless steel, IP 67/68/69 K
Stainless steel Material : DIN 1.4301 / 1.4541 / 1.4404

Low construction scale KPZ 2DN
Plain, top plate of platform made of one piece. IP 67/68/69K
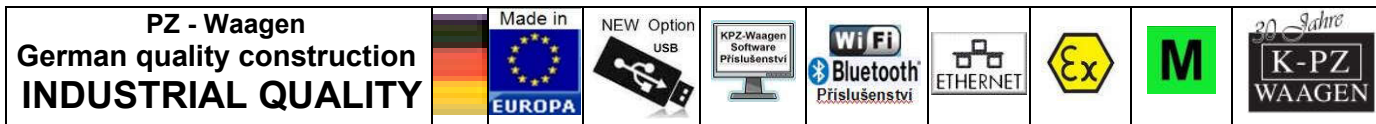### Stainless steel Material : DIN 1.4301 / 1.4541 / 1.4404

**P a l l e t w e i g h e r Type: KPZ 71-7N
stainless steel DIN 1.430, IP 67/68/69K**

**P a l l e t s c a l e KPZ 1N, IP 67/68/69K
Stainless steel - Material 1.4301**

**B e n c h S c a l e KPZ 2E-06, stainless steel DIN 1.430, IP 67/68, IP 69K
German design and own EU production guarantees high quality.**

60

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KPZ - Váhy, s. r. o.

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