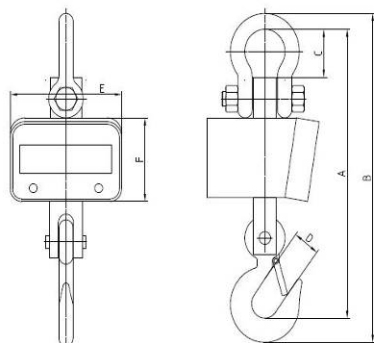


KPZ 406 / Digital – crane scale

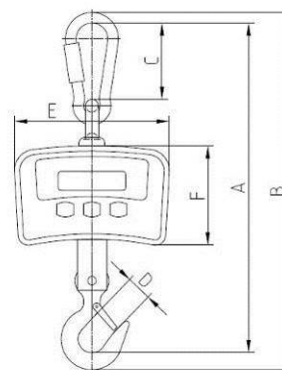
Inexpensive version



KPZ 406, 1 – 10 t



KPZ 406, 100 – 500 kg



**KPZ 406
20 – 50t**



KPZ 406, Digital-Crane scale,

robust Industrial version with large stable push button, clear and easy readable LCD-Display, complete with hook/eye to hang up. **Basic function** : Zero setting, Tare setting up to 100 %, switch Net / Gross weight repeatedly, On/Off. **Power supply** : rechargeable Batteryoperation providing approx 100 h, 230 VAC Adapter is include the unit price, **Certification** : CE conform, but non approved for Retail use.

Typ	Capacity	Div.	Approval possibility	Art.-No
KPZ 406	200 kg	0,1 kg	No	406005000000
KPZ 406	300 kg	0,1 kg	No	406005000000
KPZ 406	500 kg	0,2 kg	No	406005000000
KPZ 406	1,0 t	0,5 kg	No	406010000000
KPZ 406	2,0 t	1,0 kg	No	406020000000
KPZ 406	3,0 t	1,0 kg	No	406030000000
KPZ 406	5,0 t	2,0 kg	No	406050000000
KPZ 406	10,0 t	5,0 kg	No	406100000000
KPZ 406	20,0 t	10,0 kg	No	406200000000
KPZ 406	30,0 t	10,0 kg	No	406300000000

Type	Capacity	Division	A	B	C	D	E	F	Art. nr	Own weight
KPZ 406	100 - 500 kg	200 g	330	360	77	22	147	100	406005000000	2 kg
KPZ 406	1 t	500 g	425	470	93	23	215	150	406010000000	4 kg
KPZ 406	2 t	1,0kg	450	510	75	35	190	130	406020000000	15 kg
KPZ 406	3 t	1,0 kg	450	510	75	35	190	130	406030000000	15 kg
KPZ 406	5 t	2,0 kg	525	605	90	40	190	130	406050000000	20 kg
KPZ 406	10 t	5,0 kg	590	690	115	47	190	130	406100000000	30 kg

Dimension: (all dimension in mm)

Value for Money

24 months
warranty

KPZ Crane Scale



KPZ 3, 200kg – 85 t



KPZ 301, 200kg



BIG Display
for Crane Scale



KPZ 402, 300kg - 10 t



KPZ 402, 20 . 100 t



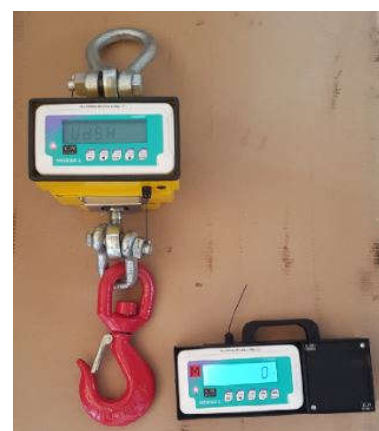
KPZ 407, 7,5 – 15 t **M**
IP 66



KPZ 406



KPZ 407E, 1,5 to 15 t
IP 66



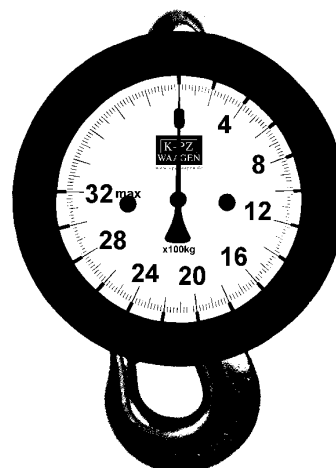
KPZ 407FE **M**
Wireless data transfer

Crane scale type KPZ 3

Hydraulic version

Maintenance free, complete with top loading ring and self-locking hook

Crane scale for absolute continuous use. Accuracy: +/- 1% VDE, scale: White ground, black writing, clearly visible. With robust Plexischeibe, bordered with a rubber sleeve. Scales diameter: 160 mm. Until 5t: incl. Hook with safety flap and eyelet. Robust cast housing. Maintenance-free hydraulic principle. Security: 4 times the rated load carrying capacity: max 1.6 times capacity. With simple zeroing and tare. Font size: all scales 12mm. Storage case can be supplied as an option.



Typ	Kapazität	Teilung		Artikel-Nr.
KPZ 3	200 kg	1 kg		130020000000
KPZ 3	320 kg	2 kg		130032000000
KPZ 3	500 kg	2 kg		130050000000
KPZ 3	750 kg	5 kg		130075000000
KPZ 3	1250 kg	5 kg		130125000000
KPZ 3	2000 kg	10 kg		130200000000
KPZ 3	3200 kg	20 kg		130320000000
KPZ 3	5000 kg	20 kg		130500000000
KPZ 3	12500 kg	50 kg		131250000000
KPZ 3	25000 kg	100 kg		132500000000
KPZ 3	50000 kg	200 kg		135000000000
KPZ 3	85000 kg	500 kg		138500000000
portable case for KPZ 3				130000100000



**24 months
warranty**

KPZ 301 / mechanical Double-spring Crane scale

Capacity : 200 kg

Crane scale for simple and fast determination of weights in non-approved application.



Construction :

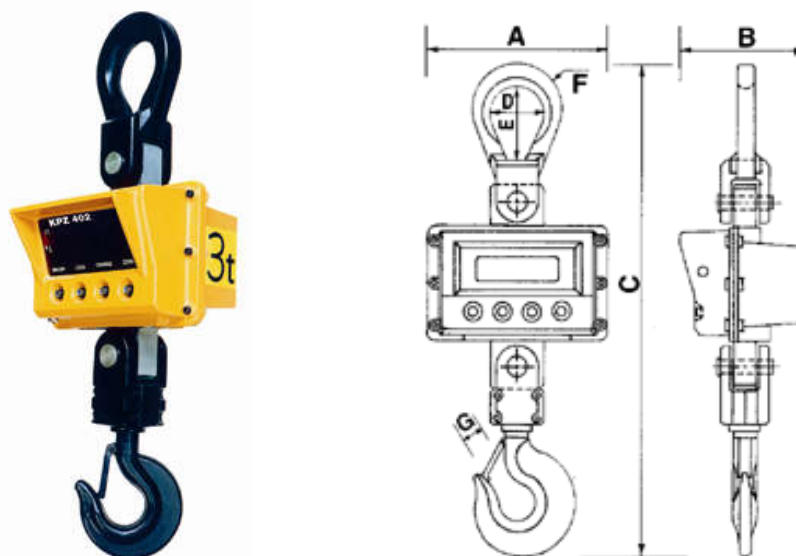
Robust and compact design with a low unit weight. The housing is made of cast aluminium, spray coated. Ring hook and load hook are manufactured in stainless steel. The scale is designed utilising a proven double-spring system. The dial is protected with a Flexible front display. If necessary after long periods of use, the scale may easily be adjusted through re-tension of the spring mechanism. Dial: white background, black figures, highly visible, with a Plexoglass cover framed in aluminium. Diameter of dial: approx. 19.5 cm, simple zero & tare adjustment.

Typ	Capacity	Div.	Dim. mm.	Approval possibility	Indicator	Art.-No
KPZ 301/200	200 kg	500 g		No	without	13010200000

**24 months
warranty**

Digital crane scale Type: KPZ 402

Solid Crane scales for industrial use / **SOLID** with all the **BENEFITS** !!



Weighing Range (kg) : 300, 600, 1.500, 3.000, 5.000, 10.000, 20.000, 30.000, 50.000, 100.000.

KPZ 402 is reliable, precise and easy to operate in every industrial environment, it has special load cell, solid and massive housing, integrated grip and rotary hook. Key function are protected from stroke in housing.

Technical data : Accuracy < 0.1% vdE, Operating temperature : - 10 ° C to + 40 ° C, LED display, in size range 1500kg = 25mm, from 3000 to 10,000kg = 30.5mm, from 20,000 to 30.000kg = 58,5mm.

Functions : KPZ 402 to 10t, zero setting, tare (to 100%), switch gross/net

Safety : crane scale KPZ 402 , has double load capacity and 6 times destructive loading.

Power Supply :Rechargeable battery providing approx.150 hours, control of charging status: two colour LED.

Control of accumulator: optic signal (flashing of indication about 9 hours before complete recharging of accumulator). Charging: charger 230V. Regulated charging process so there is no possibility of overcharging

Typ	Cap. t.	Div. kg	A	B	C	D	E	F	G	Kg	Eich	Art.-No.
KPZ 402	0,3	0,1	265	185	480	70	80	16	22	9,9	Nei	402000300
KPZ 402	0,6	0,2	265	185	480	70	80	16	22	9,9	Nei	402000600
KPZ 402	1,5	0,5	265	185	570	75	90	25	26	13,4	Nei	402001500
KPZ 402	3,0	1,0	305	245	800	90	120	40	40	26,4	Nei	402003000
KPZ 402	5,0	1,0	305	245	825	90	120	40	40	30,5	Nei	402005000
KPZ 402	10,0	5,0	305	255	925	110	150	40	45	41	Nei	402010000
KPZ 402	20,0	10,0	365	275	1105	150	175	60	85	82	Nei	402020000
KPZ 402	30,0	10,0	365	275	1135	170	200	70	105	126	Nei	402030000
KPZ 402	50,0	20,0	365	445	1210	200	200	75	105	161	Nei	402050000
KPZ 402	100,0	50,0	365	645	1680	220	230	105	110	265	Nei	402100000

Options KPZ 402 and KPZ 402F / accessoires / extra charge	Article-Nr.
Remote control for KPZ 402 Function: Zero, tare, net and gross weight, on/off	402000003000
Change-accu	402000004000
anti-heat shield	402000001000
Serial interface RS232	402007000000

24 months
warranty

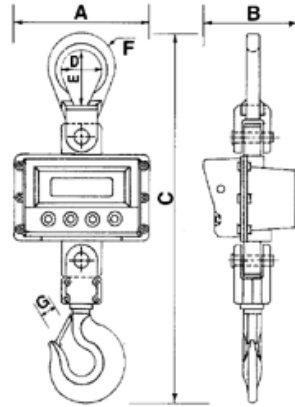
Digital crane scale type: KPZ 402, Option: radio data transmission

5

KPZ-Váhy s.r.o. • Libošovice 76 • 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.

KPZ 402FE Digitale Wireless cranescale Wireless data transfer from crane scale to indicator



Robust radio crane scale
100% tarable
6 times the breaking load
Turning and swinging hook
Solid housing

Type	Capacity	Div		Indicator (Option)	Artikel-Nr.
KPZ 402F	1500 kg	500 g	Nein	<i>Pls select</i>	402F00150000
KPZ 402F	3000 kg	1 kg	Nein	<i>Pls select</i>	402F00300000
KPZ 402F	5000 kg	1 kg	Nein	<i>Pls select</i>	402F00500000
KPZ 402F	10000 kg	5 kg	Nein	<i>Pls select</i>	402F01000000

Indicator to KPZ 402F (More costs):	Artikel-Nr.
KPZ 51-26F Radio Indicator + Hand Display	5126F0000000
KPZ 51-27F Radio Indicator + Wall mounting possible	5127F0000000
KPZ 402F-GD Radio Big Display, Wall mounting possible	402F00004000
KPZ 51-28F Radio Indicator LCD 25mm with Roller Printer	5128F0000000



KPZ 51-26F



KPZ 51-28F



KPZ 402F-GD



KPZ 51-27F

KPZ 402 Option : Heat shield for crane scales



KPZ 402, 3 t, Heat shield



KPZ 402, 50 t, Heat shield

Option :
Remote controll



KPZ 407E / Digital – crane scale M

Robust digital crane scale for industrial use / remote control included, approval possible
For continuous operation / Better quality: approved components !!!

Industrial version
Large LED display
Good readings
36 hours battery operation
Battery charging control
Good accuracy
Hold function
Overload safety ratio 600%
User friendly
2 Mini-remotes



These easy to handle, robust crane scale with internal battery, is completely ready for use. The price include the shakel and safety hook, and the 2 remote are also included in the price.

Electronic Display :Latest technology Micro-processor controlled designed, to meet even the most exacting requirements in industry. Guaranteed to the highest degree of accuracy and reliability. Built into aluminium housing for industrial use.

Operation of the units is through front push keypad or remote. Display : clear, 5 digit, 7 segment, red LED display, 25,4mm high. Precision : < 0,1%vDE.

LED-indication for: Zero, Tare, Stability, Battery charging control, low Battery power, weight units selectable.

Function : On / Off switching by separate switch, Tare range : 100 % of full measuring range. Automatic and manual zero. HOLD function.

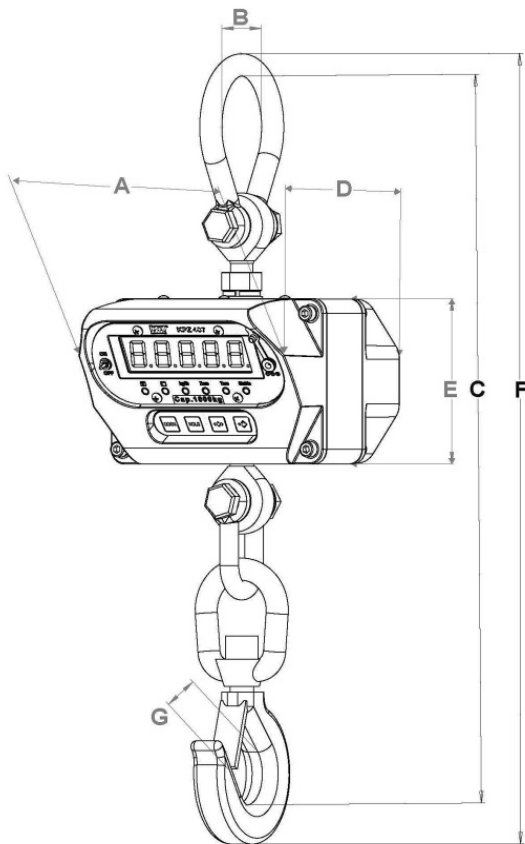
Remote control: 2 pcs reach up to. 30m. Function: switching ON/OFF, Zero, Tare, HOLD.

Power Supply: Rechargeable battery providing approx.36 hours, Charge indicator: signal indication by flashing LED which remains active at approx. 1 to 2 h before switching off. Automatic switching off function is possible.

Full recharge overnight via battery charger (included in price) connected to 230 V mains supply. Operating condition (temperature) : - 10 ° C to + 40 ° C.

Typ	Capacity	Div.	Unit weight	Approval possibility	Art.-No
407E/0003	300 kg	0,100 kg	10 kg	YES  M	407E01500000
407E/0006	600 kg	0,200 kg	10 kg	YES  M	407E03000000
407E/0015	1.500 kg	0,500 kg	14 kg	YES  M	407E01500000
407E/0030	3.000 kg	1,000 kg	14 kg	YES  M	407E03000000
407E/0050	5.000 kg	2,000 kg	19 kg	YES  M	407E05000000
407/0075	7.500 kg	5,000 kg	28 kg	No	407075000000
407E/0075	7.500 kg	5,000 kg	39 kg	YES  M	407E07500000
407/01000	10.000 kg	5,000 kg	35 kg	No	407100000000
407E/01000	10.000 kg	5,000 kg	49,5 kg	YES  M	407E10000000
407/01500	15.000 kg	5,000 kg	42 kg	No	407150000000
407E/01500	15.000 kg	5,000 kg	49,5 kg	YES  M	407E15000000
weights & measures certification (extra charge)					
KPZ Factory first certification up to 500 kg, / single range					300PL0000500
KPZ Factory first certification from 550 kg up to 3.000 kg, / single range					300PL0003000
KPZ Factory first certification from 3.050 kg up to 10.000 kg, / single range					300PL0010000
KPZ Factory first certification from 10.000 kg up to 30.000 kg, / single range					300PL0030000

24 months warranty



-  **Feuchteschutz IP66**
inkl. Druck-Membran-Ventil
-  **Rotierender Haken**
1,5-3t Version
-  **Schwenkbarer Licht-Displayschirm**
-  **Robustes Alugußgehäuse**

Dimension:

Typ	Capacity	A	B	C	D	E	F	G	Kg
KPZ 407(E)	1500kg	210	87	615	218	141	665	51	11
KPZ 407(E)	3000kg	210	87	615	218	141	665	51	11
KPZ 407(E)	5000kg	210	58	683	278	141	753	64	18
KPZ 407	7500kg	210	74	576	278	141	660	75	28
KPZ 407	10000kg	210	98	680	278	141	784	57	35
KPZ 407	15000kg	210	98	680	278	141	784	57	42
KPZ 407(E)	7500kg	210	68	808	278	141	890	75	39
KPZ 407(E)	10000kg	210	98	840	438	141	945	57	49,5
KPZ 407(E)	15000kg	210	98	840	438	141	945	57	49,5

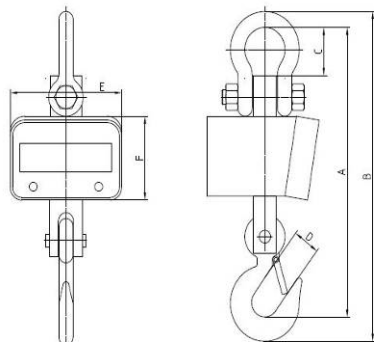
24 months warranty

KPZ 406 / Digital – crane scale

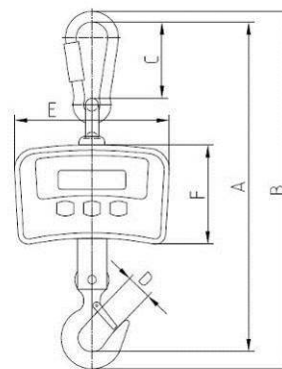
Inexpensive version



KPZ 406, 1 – 10 t



KPZ 406, 100 – 500 kg



**KPZ 406
20 – 50t**



KPZ 406, Digital-Crane scale,

robust Industrial version with large stable push button, clear and easy readable LCD-Display, complete with hook/eye to hang up. **Basic function** : Zero setting, Tare setting up to 100 %, switch Net / Gross weight repeatedly, On/Off. **Power supply** : rechargeable Batteryoperation providing approx 100 h, 230 VAC Adapter is include the unit price, **Certification** : CE conform, but non approved for Retail use.

Typ	Capacity	Div.	Approval possibility	Art.-No
KPZ 406	200 kg	0,1 kg	No	406005000000
KPZ 406	300 kg	0,1 kg	No	406005000000
KPZ 406	500 kg	0,2 kg	No	406005000000
KPZ 406	1,0 t	0,5 kg	No	406010000000
KPZ 406	2,0 t	1,0 kg	No	406020000000
KPZ 406	3,0 t	1,0 kg	No	406030000000
KPZ 406	5,0 t	2,0 kg	No	406050000000
KPZ 406	10,0 t	5,0 kg	No	406100000000
KPZ 406	20,0 t	10,0 kg	No	406200000000
KPZ 406	30,0 t	10,0 kg	No	406300000000

Type	Capacity	Division	A	B	C	D	E	F	Art. nr	Own weight
KPZ 406	100 - 500 kg	200 g	330	360	77	22	147	100	406005000000	2 kg
KPZ 406	1 t	500 g	425	470	93	23	215	150	406010000000	4 kg
KPZ 406	2 t	1,0kg	450	510	75	35	190	130	406020000000	15 kg
KPZ 406	3 t	1,0 kg	450	510	75	35	190	130	406030000000	15 kg
KPZ 406	5 t	2,0 kg	525	605	90	40	190	130	406050000000	20 kg
KPZ 406	10 t	5,0 kg	590	690	115	47	190	130	406100000000	30 kg

Dimension: (all dimension in mm)

Value for Money

24 months warranty

KPZ 407FE Digitale Wireless cranescale  
Wireless data transfer from crane scale to indicator.

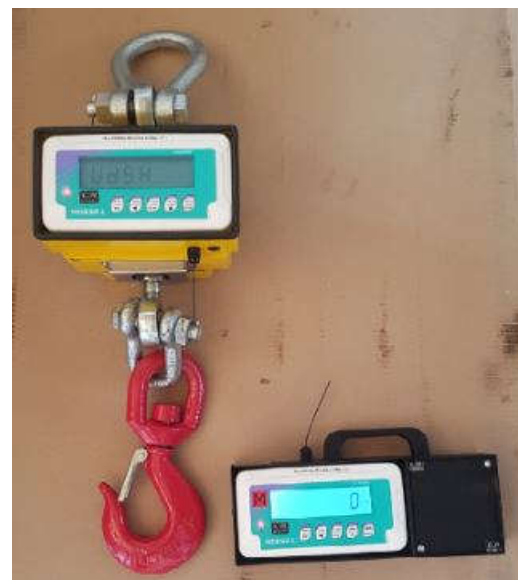
Capacity from 300kg. up to 15t, non certified and also legal for trade, very robust industry designs, robust cast aluminium case,
 Certification: EU type approval certificate class III, CE conform.

KPZ 51FE-41 indicator, inside a robust Steel case, 6-digit 20 mm high backlite LCD display with status symbols, large using keys, separate on/switch. Basic function: Zero, Tare, gross-/net switching. Over menu adjustable: Set point or limit value control.

Energy: rechargeable battery, by 230VAC

Extended functions and optional possibilities (surcharge):

Connection: Serial interface RS232, incl. data version format- and mode choice, Relay output of 3 switching points.



Special models are our speciality!

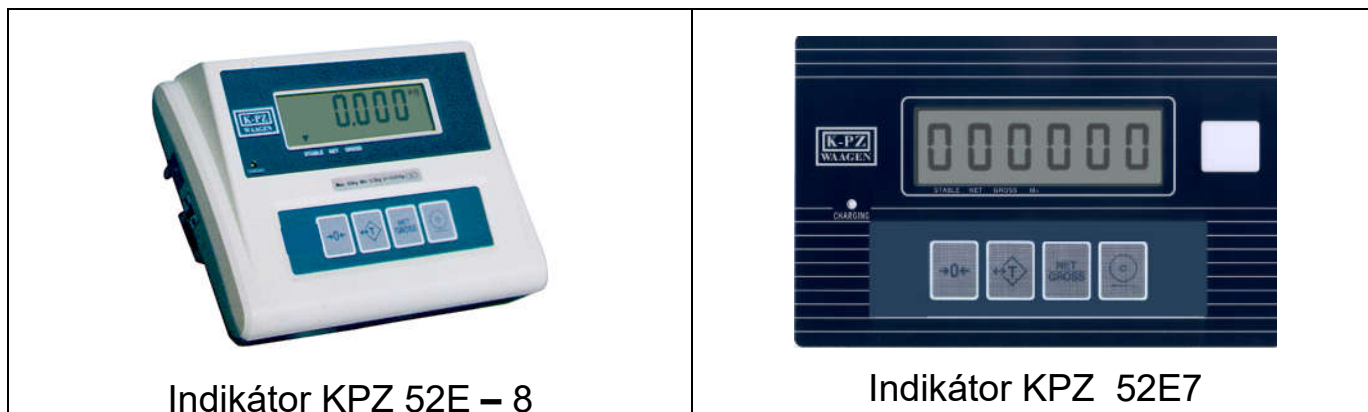
**24 months
 warranty**

KPZ Indicators

 <p>KPZ 52E-7</p> <p>Klasse III M</p>	 <p>KPZ 52E-7/1</p> <p>Klasse III M</p>	 <p>KPZ 56E-4</p> <p>Klasse III M</p>
 <p>KPZ 52E-9-1</p> <p>Klasse III M</p>	 <p>KPZ 51E-9-2</p> <p>Klasse III M</p>	 <p>KPZ 51E11 - 13</p>
 <p>KPZ 58-2</p> <p>Klasse III M</p>	 <p>KPZ 52-19</p>	 <p>Big display/second display</p>
 <p>KPZ 54E-*</p> <p>Klasse III M</p>	 <p>KPZ 54E-*</p> <p>Klasse III M</p>	

We reserve the right to make technical modifications and price changes without prior notification

KPZ Indikátory



Klasse



Multirange division : See technical data of the scale. OIML Class




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.


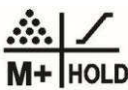



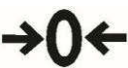
Options: Configurable RS 232 output, data output (different formats), Roller printer, label printer, set point (High-OK-Low),

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 $\rightarrow 0 \leftarrow$ signal is on.
$\rightarrow 0 \leftarrow$	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 $\pm 2\%$ of the max. capacity. Using this switch do not change the range of maximal capacity.
	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 $\frac{\text{NET}}{\text{GROSS}}$ 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 $\rightarrow 0 \leftarrow$. Then press the  key twice the total sum of the weighing results will be printed .

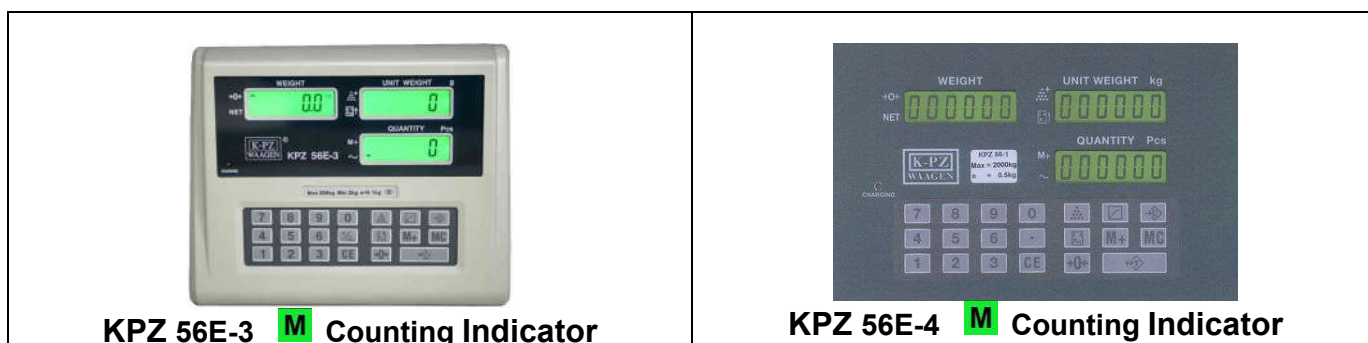
KPZ Indicators



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	
	Modus selection / Function	/
<u>NET</u> B/G	Switching between net and gross weight (net mode)	
UNIT	switching units	/
	Switch between weight / unit weight (piece counting mode)	
	Tare	1. Backlight 2. Switch on zero setting 3. Gravitation value
	Pretare	
	Zero	battery voltage






KPZ Indicators



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

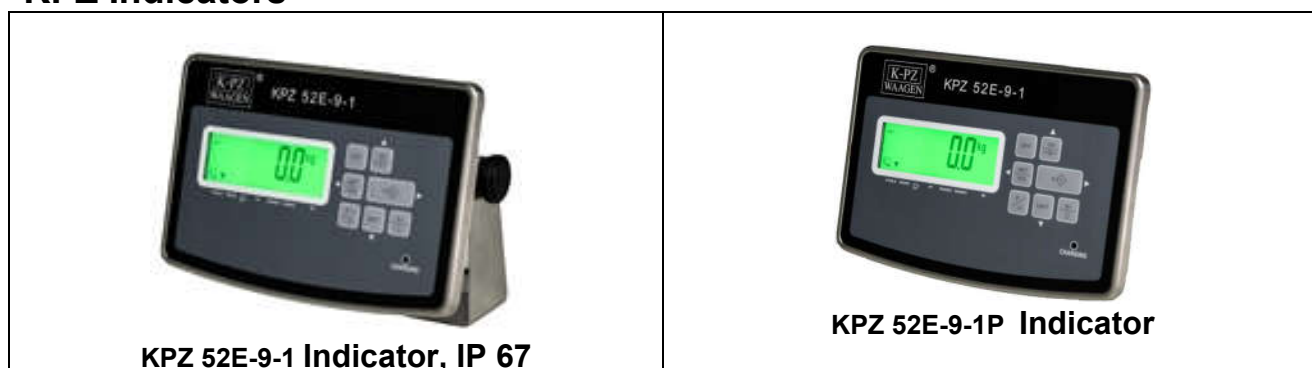
0 to 9 and .	Use to enter piece weight, total quantity or Tare value.
CE:	Deletes all value entered via the keypad.
→0←	1) Use this key to Zero the scale 2) Use this key by pressing twice to enter backlight options (see Backlight Function)
	Use this key to Tare the scale
	Use this key to confirm entered 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**.

KPZ Indicators



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 $+40^{\circ}\text{C}$, 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	Description
ON	<i>switch the indicator ON</i>
→0←	<i>Switch the indicating to 0.00</i>
OFF	<i>switch the indicator OFF</i>
↔T	<i>TARE function</i>
NET GROSS	<i>Switch over Net / Gross Tare, repeatedly</i>
UNITS	<i>Switch over weighing units</i>
F/HR	<i>In approval version: High resolution indication (5 sec)</i>
M+	<i>Totalizing and printout/ data output</i>

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



IP 67,

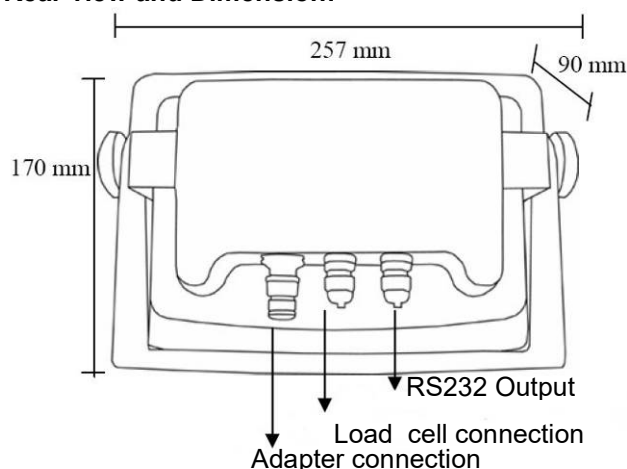
10 Setpoint memory
Tare setting by key,
Zero setting,
Alarm / check control setting,
back light LCD-Indicator,
Addition sum memory,
Multi range division,

OIML Class  **M** 10.000 e

Keypad :



Rear view and Dimension:



(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  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.

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



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 work 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 functions.
- 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)



KPZ 51E-41 indicator

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

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)-*



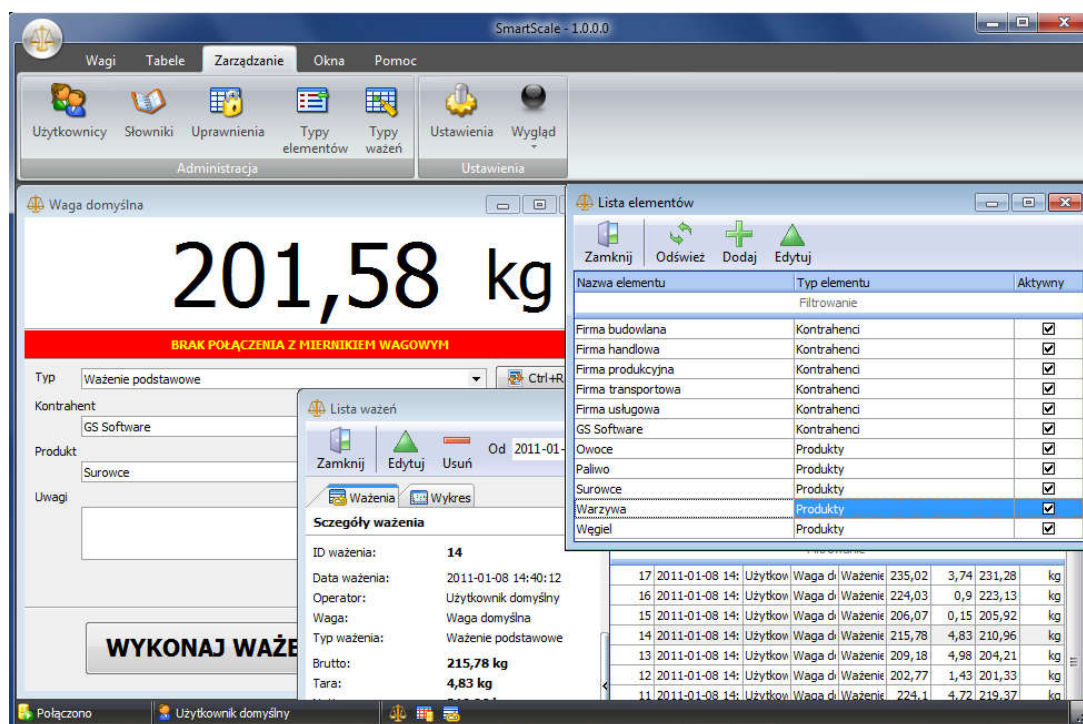
PC Software K-PZ Smart Scale

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

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

Function	Programm version		
	Standard	Professional	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 to the .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 defined 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

Printers for KPZ scales

More printers and options on request!

Thermal printer Favorit 24	
Dimensions	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	
Dimensions	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	
Dimensions	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	
Dimensions	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
Dimensions	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	
Dimensions	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



K-PZ Waagen

Kanalsteck 9
21129 Hamburg
Tel. 040 / 742174-0
Fax 040 / 742174-99

TICKET NO. 1
Art.-Nr.: 123456
PCS 40
APW 100 g
G 5.001 kg
T 1.000 kg
N 4.001 kg



KPZ 719SJDR
 Exemplary formats
 Indikátor KPZ 52 19



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

Indicator KPZ 5218



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

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

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 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

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 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

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 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

Printing formats

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

Scale KPZ 2-04E-7

inkl. PT and Addition

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

Indicator KPZ 51E-9-2


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




KPZ 2-11-3 




KPZ 2-02-4 





KPZ 2-03-10  IP 65



KPZ 2-04-7 



KPZ 2E-06S  



KPZ 2114




KPZ 2082 Dual counting System




KPZ 1  




KPZ 1 B 



KPZ 2B 



KPZ 2S 



KPZ 2ECO 





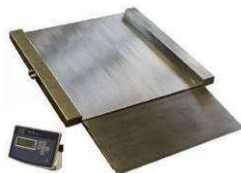
Drive through Scale



KPZ 2D  



KPZ 71-*  



Stainless Steel DIN 1.4301, extrem solid and stable construction, IP 67, 68 and 69K



KPZ 72  




KPZ 73B



KPZ 73SDJ



KPZ 73 



KPZ 74 



KPZ 70 weighing forks



KPZ 39
 Hydraulic Forklift scale




Crane scale 



Coil Scale



Animal scale 



Silo weighing






KPZ PC Software



Special models are our speciality!

Mobile KPZ scales



KPZ 71-7   
Many Option possible



Option KPZ 71-7



KPZ 71-8 
2.200kg / 200g




KPZ 71-9
2.200kg / 500g

KPZ 72




KPZ 72, 2400mm,3200kg




KPZ 73 



KPZ 73 SDJ 



KPZ 73 B 



KPZ 74 



Weighing forks Forklift truck scale



KPZ 39
Electronic – Hydraulic version



Touch sreen Indicator 7-Zoll



Scale for Coil's



German design and own EU production guarantees high quality.

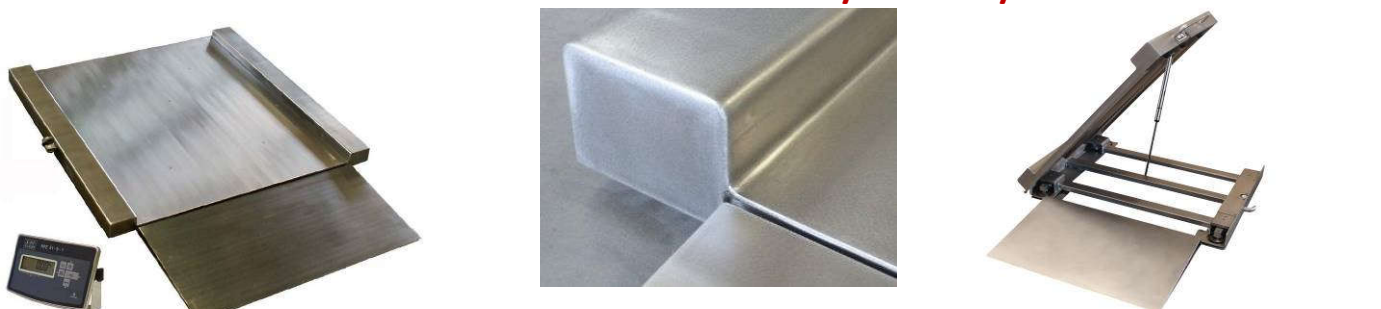
Stainless steel Material : DIN 1.4301 / 1.4541 / 1.4404

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

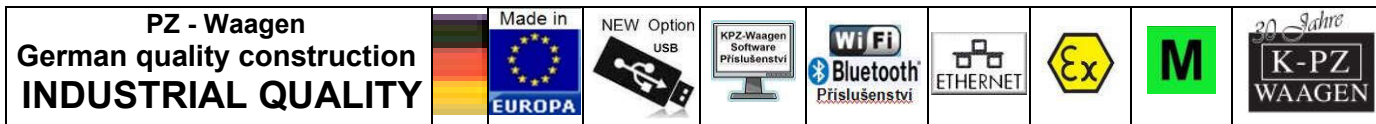


**Pallet weigher Type: KPZ 71-7N
stainless steel DIN 1.430, IP 67/68/69K**

**Pallet scale KPZ 1N, IP 67/68/69K
Stainless steel - Material 1.4301**



**Bench Scale KPZ 2E-06, stainless steel DIN 1.430, IP 67/68, IP 69K
German design and own EU production guarantees high quality.**



200305 00 N UK €



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