

KPZ - Waagen / Mobile scale



KPZ 76F / Fork- lift truck scale

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

As Option possible : OIML Class   SOLAS konform



Typ	délka vidlic	Capacity kg	Division g	Approval possible	Indicator	PLN/pcs	Obj. č.
KPZ 76F	FEM2A	600 do2500	500 do1000	Ne	KPZ 5116	On Request	76F002A00XX00
KPZ 76F	FEM3A	3.000 do 3500	1000 do 2000	Ne	KPZ 5116	On Request	76F003A00XX00
KPZ 76F	FEM3A	4.000 do 5000	5000	Ne	KPZ 5116	On Request	76F003A00XX00
KPZ 76FE	FEM2A	2.000/2.500	2/5kg	Ano  	KPZ 51E40	On Request	76FM02A00250E
KPZ 76FE	FEM3A	3.000/3.500	2/5kg	Ano  	KPZ 51E40	On Request	76FM03A00350E
KPZ 76FE	FEM3A	4.000 do 5000	5kg	Ano  	KPZ 51E40	On Request	76F003A00500E

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 keyboard 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 truck load. Standard is a set designed for weighing pallets. Edit dimensions possible by prior arrangement.

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

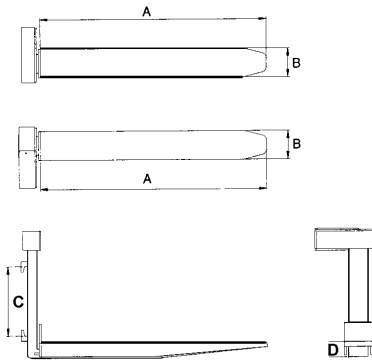
Mobilní vážení? Šetří Váš čas a Vaše peníze!



KPZ 51 19 F Standard

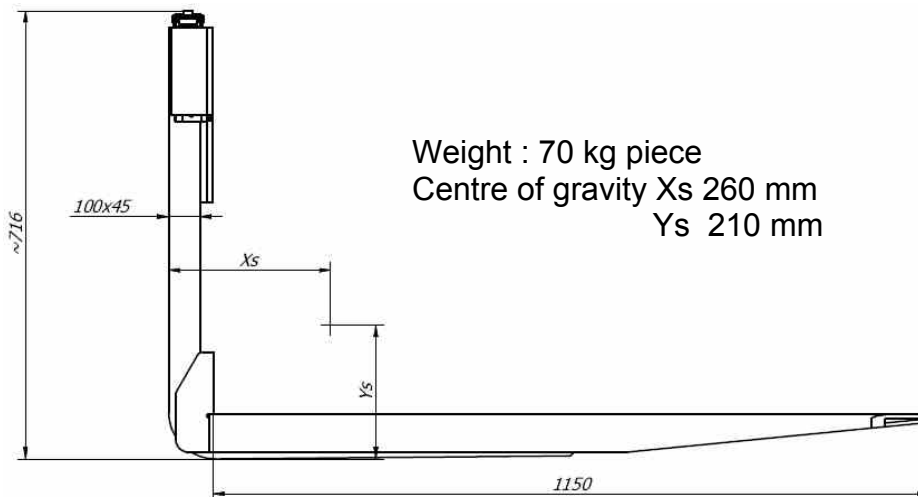


KPZ 51E40 pro KPZ 76FE



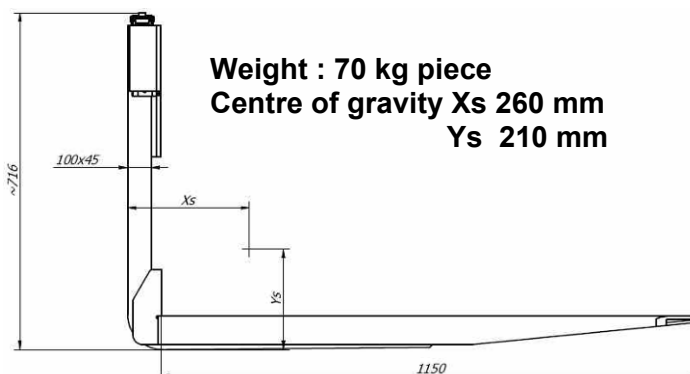
KPZ 76		ISO 2 2500 kg	ISO 3 3000 kg	ISO 3 5000 kg
Dim.	A	1150 mm	1150 mm	1150 mm
	B	130 mm	150 mm	170 mm
	C	407 mm	508 mm	508 mm
	D	70 mm	70 mm	80 mm
weight per fork		70 kg	84 kg	125 kg

Other capacities or dimmensions on request



KPZ 76/1 / Fork- lift truck scale

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

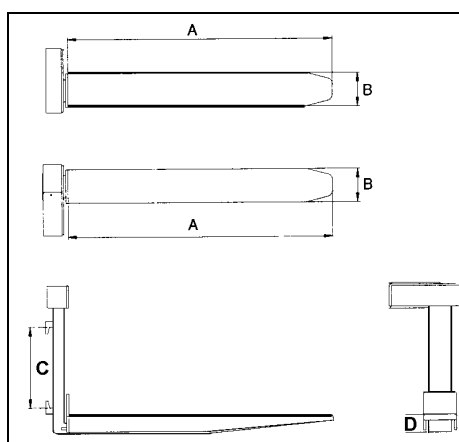


German design and own EU production guarantees high quality.

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 battery to power supply. Thanks to this construction was created weighing 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 – 30 hours operating time. We can optional deliver changing battery.


Typ		Capacity kg	Division g	Možnost úř. ověření	Indicator	PLN/pcs	Obj. č.
KPZ 76F	FEM2A	600 do2500	500 do1000	Ne	KPZ 5219	48.800,-	761002A00XX00
KPZ 76F	FEM3A	3.000 do 3500	1000 do 2000	Ne	KPZ 5219	58.500,-	761003A00XX00
KPZ 76F	FEM3A	4.000 do 5000	5000	Ne	KPZ 5219	71.600,-	761003A00XX00
KPZ 76FE	FEM2A	2.000/2.500	2/5kg	Ano 	KPZ 51E40	54.500,-	761M02A00250E
KPZ 76FE	FEM3A	3.000/3.500	2/5kg	Ano 	KPZ 51E40	65.700,-	761M03A00350E
KPZ 76FE	FEM3A	4.000 do 5000	5kg	Ano 	KPZ 51E40	78.500,-	761003A00500E



	KPZ 76-1	KPZ 76-1
Capacity	2500 kg	5000 kg
Division	2 kg	5 kg
Tare	2000 kg	5000 kg
Dimensions	A	1150 mm
	B	145 mm
	C	407 mm
	D	76 mm
Power supply	Battery 12V	Battery 12V
Indicator	KPZ 51- 7	KPZ 51- 7
Dead weight	80 kg	80 kg
Other capacity and dimensions on request		

Options? Ask us, we do almost everything possible for you
Mobile weighing ! Saved working hours and money! ! !

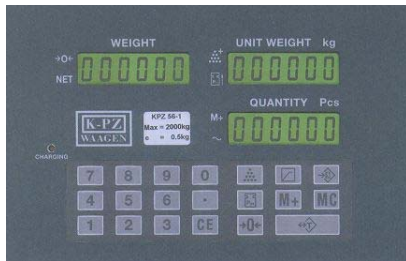
KPZ Indicators



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 52E-7 Klasse III M



KPZ 52-19



Big display/second display

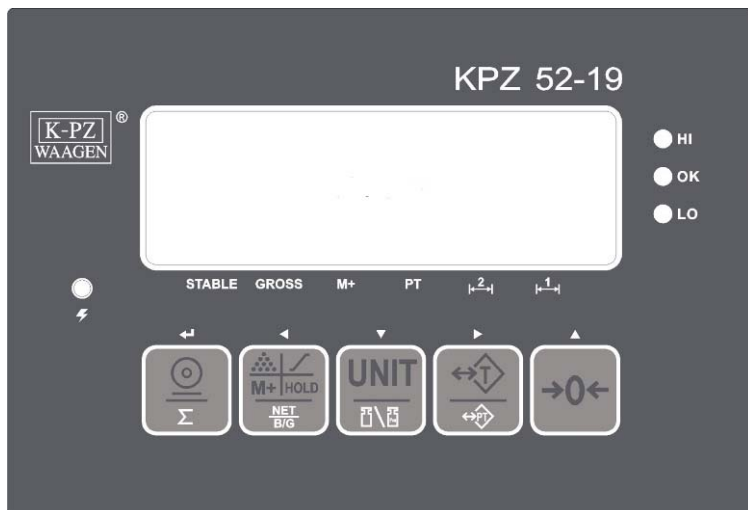


KPZ 54E-* Klasse III M



KPZ 54E-* Klasse III M

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



Description : KPZ 52-19 / 52-72









Robust external case made from ABS 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,

Description : KPZ 52-19

Key	Function	Hold for 1 sec.
	Printout / data output (Option)	Communication settings
	Totalizing	
	Modus selection / Function	/
	Switching between net and gross weight (net mode)	
UNIT	switching units	
	Switch between weight / unit weight (piece counting mode)	1. Backlight 2. Switch on zero setting 3. Gravitation value
	Tare	
	Pretare	
	Zero	battery voltage



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),



Multirange division : See technical data of the scale.

OIML Class  

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.
$\leftrightarrow T$	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 $\frac{NET}{GROSS}$ 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 $\rightarrow 0 \leftarrow$. Then press the  key twice the total sum of the weighing results will be printed .



Tare setting by key,
Piece counting by reference numbers
Zero setting,
Alarm / check control setting,
back light LCD-Indicator,
Addition sum memory,
Multi range division,

OIML trade approved Class  








Description KPZ 52(E) – 8/1

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 self test, Piece counting by reference numbers. Error message on display.

LED indication for : Zero, Tare weight, stable, LOW Bat, power, addition memory.

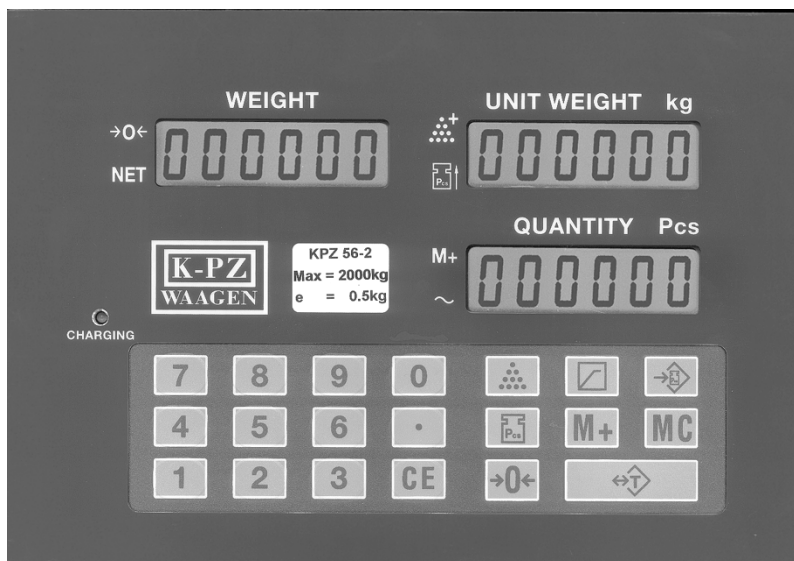
Options: Configurable RS 232 output, data output (different formats), Roller printer, label printer, output for set point (High-OK-Low),

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.
	Use this key to set up the alarm/check control value.
M+	Use this key to add the piece or weight total into memory
	Use this key to switch over the unit of measurement required.
	Use this key to select the backlight function (3 options).
	Use this key to increase the value shown at the display.
	Use this key to confirm entered quantity.
PCS	Use this key to call up the piece counting reference (10, 20, 50, 100)
→0←	Use this key to Zero the scale
↔T	Use this key to carry out TARE and ZERO.
←R	Use this key to call up the value. (e.g. addition total, pre-tare, peak value)
CE	Use this key to clear the memory value (e.g. addition total, pre-tare, peak value)
	With this key function you transfer the data to RS 232 output. (different formats)
	With this key function you select Option for RS 232 is confirmed.

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

Description KPZ 56E-4

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.



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

OIML trade approved Class III M

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)
→T←	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.
→E←	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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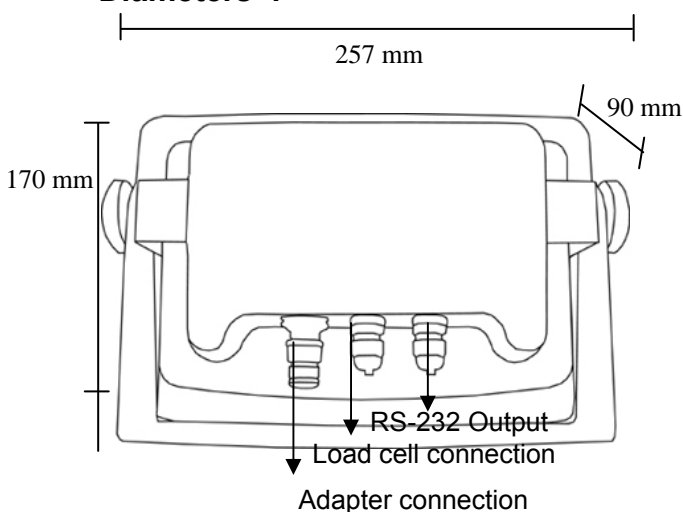
Stainless Steel housing, IP 67



IP 67,
Tare up to 100 %
Automatic Zero
Net-/ Gross-/Tare-weighing
Simple counting
Zero setting ,
Alarm / check control setting,
back light LCD-Indicator,

OIML trade approved Class  

Diameters :



(for IP 67, for RS232 and load cells use only
cable diameter from 3 to 5,5 mm)

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:

Button	Description
ON	switch the indicator ON
$\rightarrow 0 \leftarrow$	Switch the indicating to 0.00
OFF	switch the indicator OFF
	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

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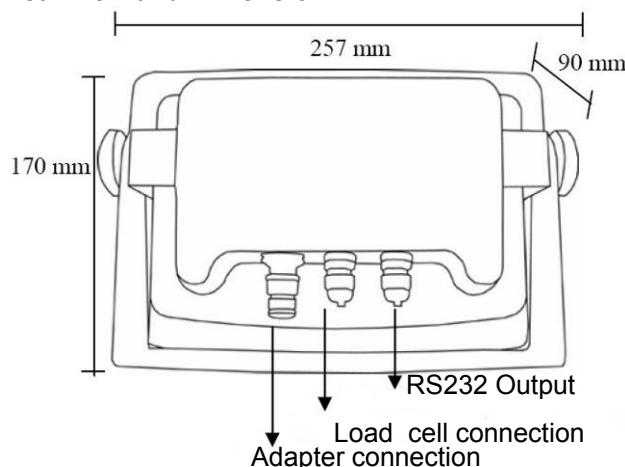


IP 67,
10 Setpoint memory
Tare setting by key,
Zero setting,
Alarm / check control setting,
back light LCD-Indicator,
Addition sum memory,
Multi range division,
 OIML Class   **10.000 e**

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 up 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 1-*

KPZ 2- *

KPZ 2-*



KPZ 71-*

KPZ 73-*



KPZ 72-*

KPZ 74-*



Weighing forks Forklift truck scale



Electronic – Hydraulic version



Scale for Coil's

Stainless steel, IP 67/68/ 69K



KPZ-Waagen Indicator



KPZ 52E8

KPZ 52E8-1

KPZ 56E4

KPZ 54-1*

