

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

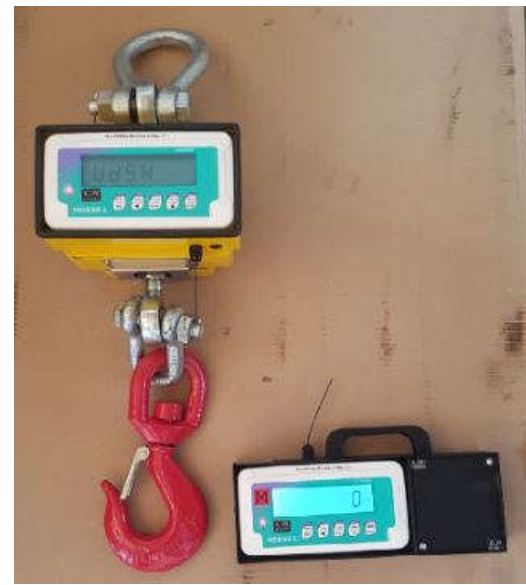
Capacity from 300kg. up to 15t, non certified and also legal for trade, very robust industry designs, robust cast aluminium case,
 Certification: EU type approval certificate class III, CE conform.

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):

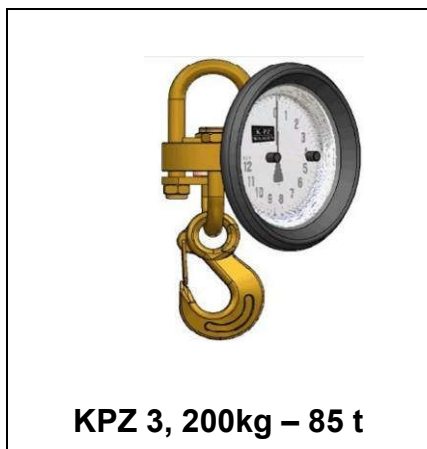
Connection: Serial interface RS232, incl. data version format- and mode choice, Relay output of 3 switching points.



Special models are our speciality!

24 months warranty

KPZ 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



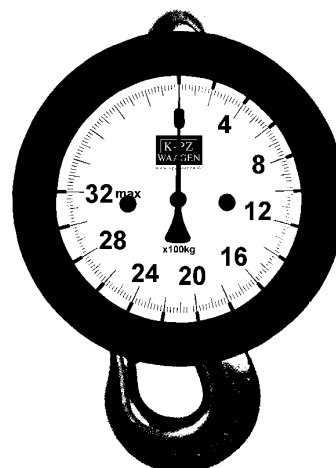
KPZ 407FE **M**
Wireless data transfer

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 :

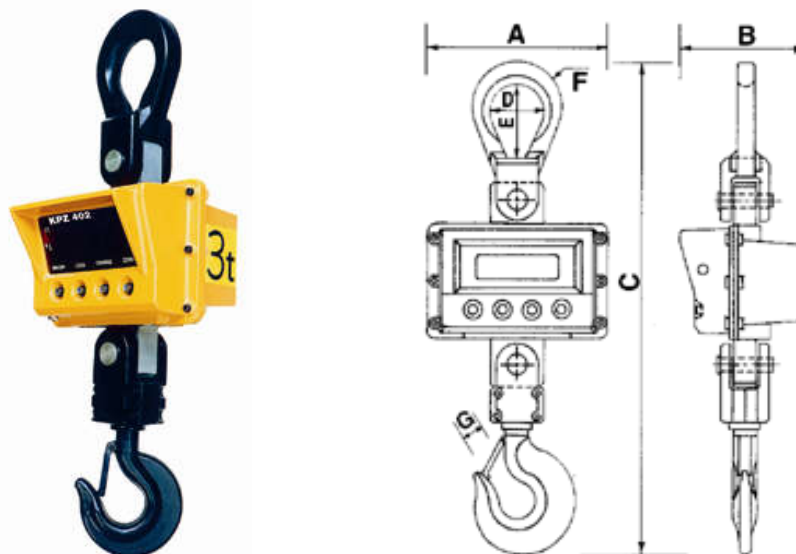
Robust and compact design with a low unit weight. The housing is made of cast aluminium, spray coated. Ring hook and load hook are manufactured in stainless steel. The scale is designed utilising a proven double-spring system. The dial is protected with a Flexible front display. If necessary after long 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**

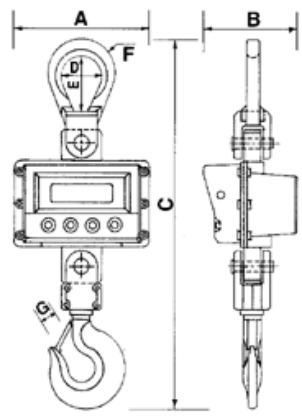
Digital crane scale type: KPZ 402, Option: radio data transmission

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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 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.

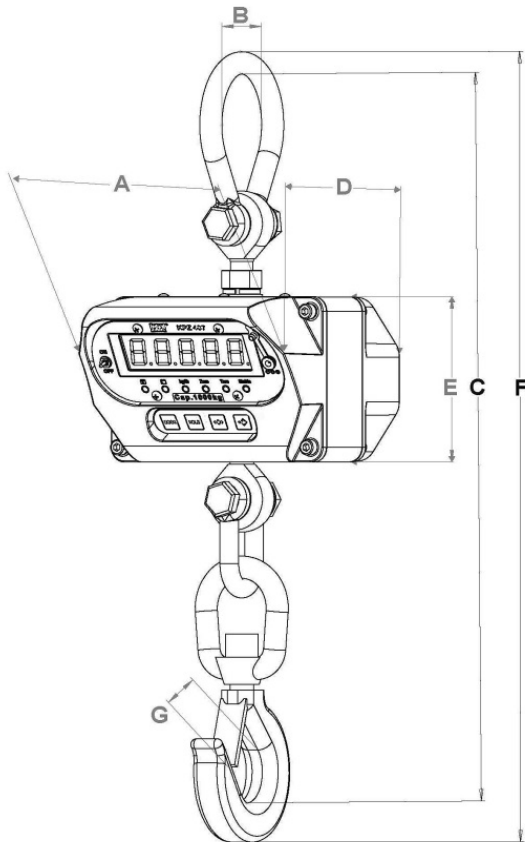
Remote control: 2 pcs reach up to. 30m. Function: switching ON/OFF, Zero, Tare, HOLD.

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
Alu-gehäuse**

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 |

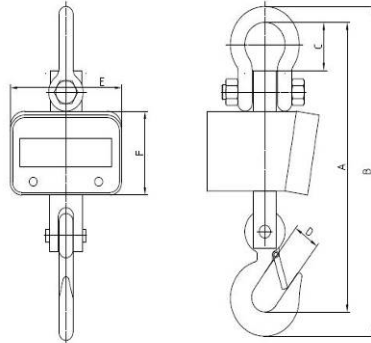
**24 months
 warranty**

KPZ 406 / Digital – crane scale

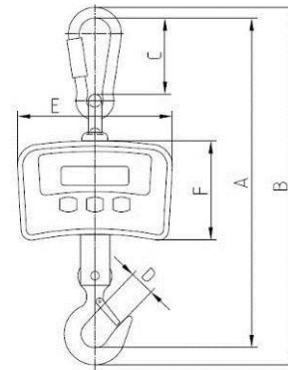
Inexpensive version



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.

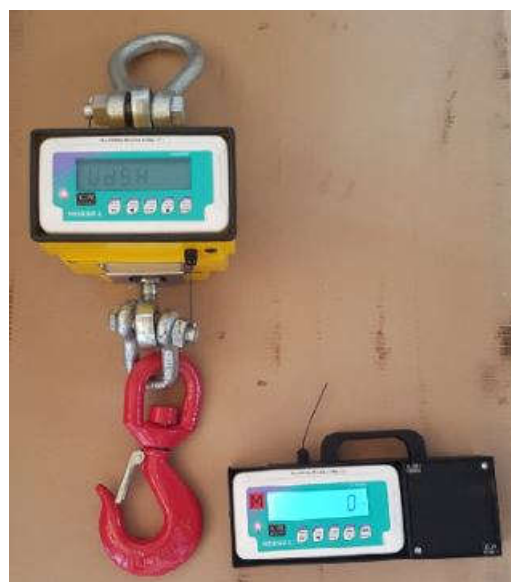
Capacity from 300kg. up to 15t, non certified and also legal for trade, very robust industry designs, robust cast aluminium case,
Certification: EU type approval certificate class III, CE conform.

KPZ 51FE-41 indicator, inside a robust Steel case, 6-digit 20 mm high backlite LCD display with status symbols, large using keys, separate one/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 Klasse III M</p> |  <p>KPZ 52E-7/1 Klasse III M</p> |  <p>KPZ 56E-4 Klasse III M</p> |
|  <p>KPZ 52E-9-1 Klasse III M</p> |  <p>KPZ 51E-9-2 Klasse III M</p> |  <p>KPZ 51E11 - 13</p> |
|  <p>KPZ 58-2 Klasse III M</p> |  <p>KPZ 52-19</p> |  <p>Big display/second display</p> |
|  <p>KPZ 54E-* Klasse III M</p> |  <p>KPZ 54E-* Klasse III M</p> | |

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

KPZ Indikátory



Indikátor KPZ 52E – 8



Indikátor KPZ 52E7

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.


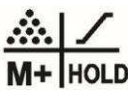



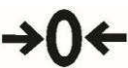
Options: Configurable RS 232 output, data output (different formats), Roller printer, label printer, set point (High-OK-Low),

| 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. |
| $\leftrightarrow T$ | 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 . |

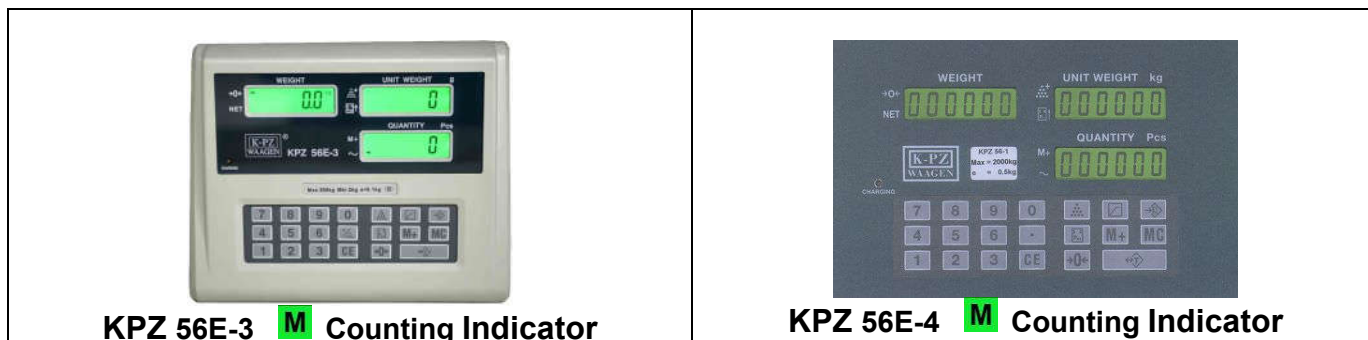
KPZ Indicators



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 | / |
| NET 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

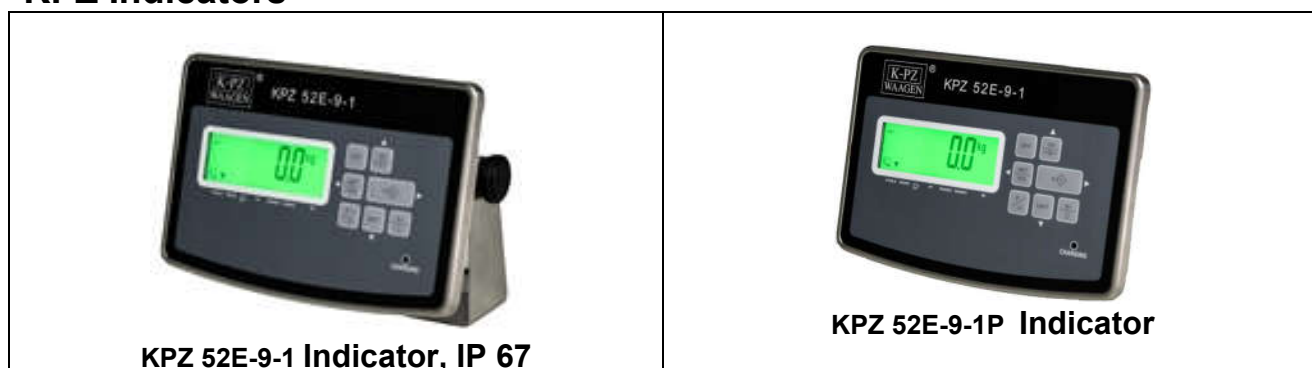
| | |
|---------------------|--|
| 0 to 9 and . | Use to enter piece weight, total quantity or Tare value. |
| CE: | Deletes all value entered via the keypad. |
| →0← | 1) Use this key to Zero the scale 2) Use this key by pressing twice to enter backlight options (see Backlight Function) |
| →T← | Use this key to Tare the scale |
| →P← | Use this key to confirm entered quantity. |
| →W← | Use this key to confirm entered piece weight. |
| →L← | Use this key to pre-set upper count limit, when the value is achieved an audible signal will be emitted. |
| →M← | 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,

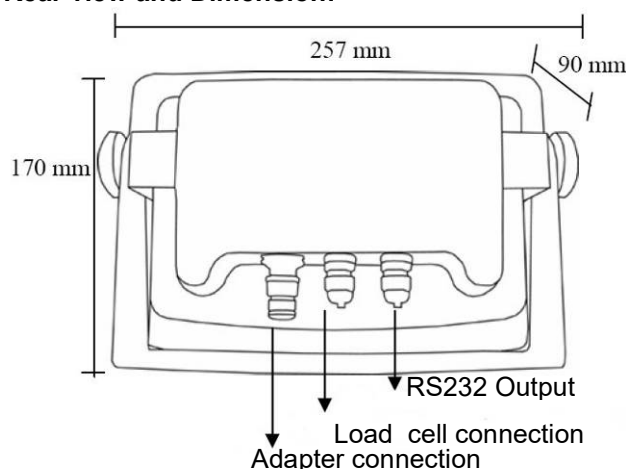
10 Setpoint memory
Tare setting by key,
Zero setting,
Alarm / check control setting,
back light LCD-Indicator,
Addition sum memory,
Multi range division,

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)-*



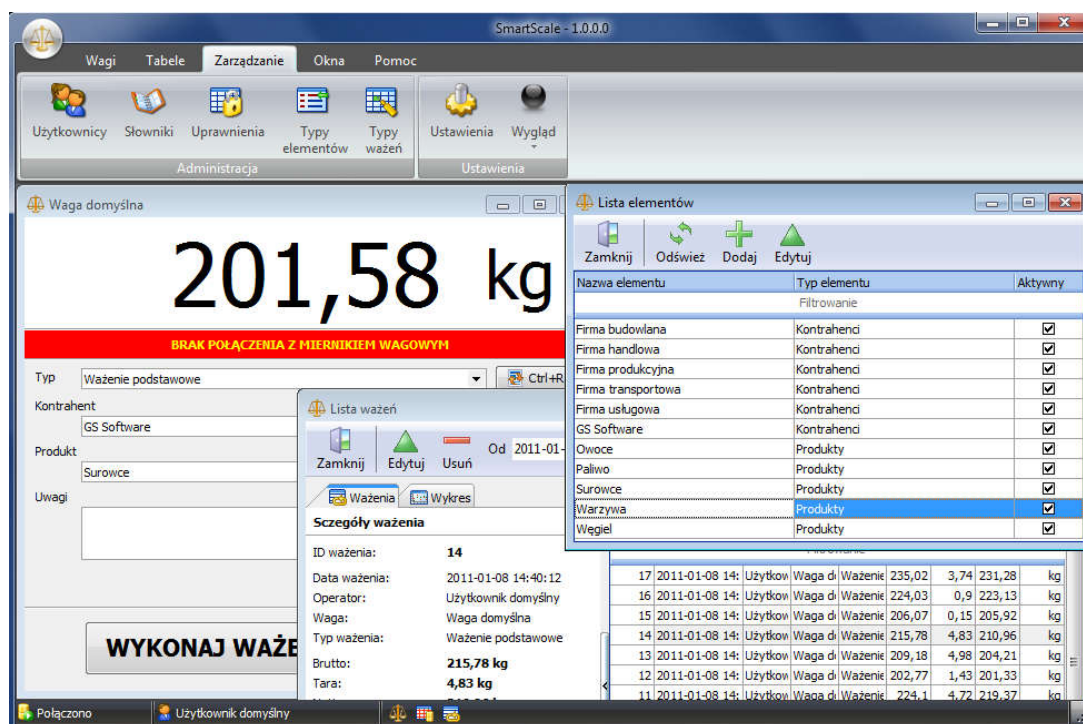
PC Software K-PZ Smart Scale

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 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 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 |

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 



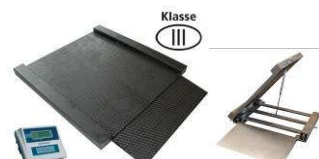
KPZ 2S 



KPZ 2ECO 





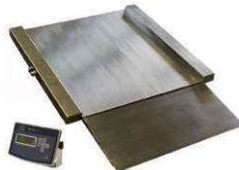
Drive through Scale



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

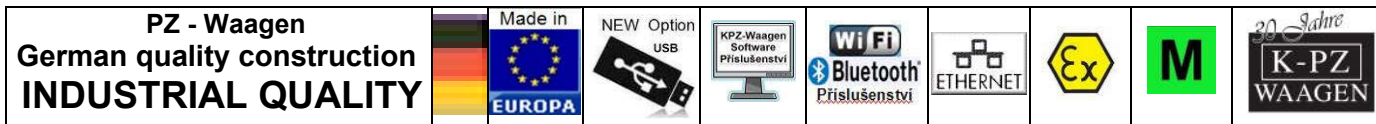


**Pallet weigher Type: KPZ 71-7N
stainless steel DIN 1.430, IP 67/68/69K**

**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 €



KPZ - Váhy, s. r. o.

Libošovice 76,
CZ 507 44 Libošovice

Tel.:

+420 736 622 710

+48 661 033 820

+420 493 571 111

email: / zander@kpzwaagen.de / kpz@kpz-vahy.cz

www.kpzwaagen.com