LEHTMICE'WE.

Precision balance KERN PES · PEJ

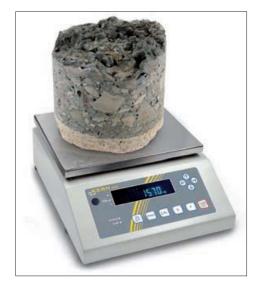
041-819-607

www.Tehtnice.net









Robust laboratory and industrial precision balance, with EC type approval [M]

Features

- 2 only PEJ: Automatic internal adjustment
- 3 only PES: Adjusting program CAL for quick setting of the balance accuracy, external test weights at an additional price, see page 133 ff
- Metalh ousing: robust and sturdy
- •Weighing with tolerance range (checkweighing): Input of 2 upper and 2 lower limit values through 4 arrow keys. An audible signal assists with the portion division, dispensing or grading
- II Draft shield standard on all models with readout d = 0,001 g. weighing space WxDxH 170x150x100 mm. Removable metal cover with pipette opening

Technical data

- •Fluorescent display bright with high contrast, digit height 13 mm
- •Dimensions of weighing plate (stainless steel) WxD
- A 140x120 mm
- **B** 200x200 mm, see larger picture
- © 250x220 mm
- •Overall dimensions (without draft shield) WxDxH for models with weighing plate sizes
- A 220x333x93 mm
- **B** 220x333x93 mm
- C 260x333x110 mm
- •Permissible ambient temperature 10 °C / 30 °C

Accessories

- •Protective working cover standard, can be reordered (not for KERN PES 31000-1M), KERN PES-A04
- 4 Only PES: Rechargeable battery pack internal, operating time up to 6 h, charging time approx. 15 h (internal charging with mains adapter), must be ordered at purchase, KERN PES-A01
- •Relayo utput with 5 outputs for weighing result in 3 tolerance ranges, must be ordered at purchase, KERN PES-A02
- •Suitable printers see page 130

































Model	Weighing	Readout	Verific.	Repro-	Linearity	Net	Weighing	Options			
	range		value	ducibility	,	weight	plate	Verification DKD Calibr. Certif		Certifi cate	
	[Max]	[d]	[e]			approx.		M		DKD	
KERN	g	g	g	g	g	kg		KERN		KERN	
PES 2200-2M	2200	0,01	0,1	0,01	± 0,02	4	В	-		963-127	
PES 4200-2M	4200	0,01	0,1	0,01	± 0,02	4	В	_		963-127	
PES 6200-2M	6200	0,01	-	0,01	± 0,03	4	В	-		963-128	
PES 15000-1M	15000	0,1	1	0,1	± 0,2	4	В	-		963-128	
PES 31000-1M	31000	0,1	1	0,1	± 0,4	8,9	С	_		963-128	

No	Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.									
PEJ 620-3M	620	0,001	0,01	0,001	± 0,003	6	А	965-201 🗓	963-127	
PEJ 2200-2M	2200	0,01	0,1	0,01	± 0,02	6	В	965-216 🗓	963-127	
DE L 4200 2M	4200	0.01	0.1	0.01	± 0.02	6	R	065 216 11	062 127	

KERN Pictograms



Internal adjusting (CAL): Quick setting of the balance's accuracy with internal adjusting weight (motordriven).



Data interface RS-232: To connect the balance to a printer, PC or network



Network interface: For connecting the scale to an Ethernet network. With KERN products you can also use a universal RS-232/LAN converter.



Net-total weighing: weight of tare cup and weight of components memorized in two separate stores.



Weighing with tolerance range: Upper and lower limiting can be programmed individually, e.g. dosing/sorting and portioning.



Stainless steel: the balance is protected against corrosion.



Rechargeable battery pack: rechargeable set.



Strain gauges: Electrical resistor on an elastic deforming body.



Single cell technology: Advanced version of the force compensation principle with the highest level of precision.



Package shipment:

The time required to manufacture the product DAYS internally is shown in days in the pictogram.



Adjusting program (CAL): For guick setting of the balance's accuracy. External adjusting weight required.



Control outputs (optocoupler, digital I/O) to connect relays, signal lamps, valves, etc.



GLP/ISO record keeping: of weighing data with date, time and identifiation-no. Only with printers from KERN.



Percentage determination: Determining the deviation in % from the target value (100%).



Vibration-free weighing: (Animal weighing program)Vibrations are filtered out so that a stable weight is obtained.



Suspended weighing: load support with hook on the underside of the balance.



Mains adapter: 230V/50Hz in standard



version for Germany. On request GB, AUS or USA version. Tuning fork principle: A resonating body is electromagnetically excited, causing it to



+3 DAYS

oscillate.

Pallet shipment:

(((**U**))

Verification possible: The time required for verification is specified in the pictogram.

internally is shown in days in the pictogram.



MEMORY

 $\square \leftrightarrow \square$

DUAL

PCS

UNIT

444

ΙP

BATT

-

230 V

a permanent magnet. For the most accurate FORCE weighings. DKD calibration possible: The time required

Memory: Balance contains memories, e.g. for

Interface for second balance: for direct

connection of a second balance

Spray and dust protection IPxx:

is specified for each device.

Power supply: integrated in

balance. 230V/50Hz in Germany

Battery operation:

The type of protection is shown by the

pictogram. For details see the glossary.

item data, weighing data, tare weights etc. PLU

Piece counting: Reference quantities selectab-

le. Display can be switched from piece to weight

Weighing units: Can be switched to e.g. nonmet-

ric units at the touch of a key. See balance model.

Please refer to KERN's website for more details.

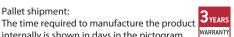
Ready for battery operation. The battery type

More standards e. g. GB, AUS, USA on request.

Electromagnetic force compensation: Coil in



for DKD calibration is shown in days in the pictogram.



Warranty: The warranty period is shown in the pictogram.

Precision is our business

To ensure the high level of precision of your balance, KERN off s the appropriate test weight package for your balance. This consists of the test weight, box and DKD calibration certificate, as proof of its accuracy. The best way to ensure proper balance calibration.

In the extensive KERN test weight range, you will find test weights in the international OIML error limit classes: E1, E2, F1, F2, M1, M2, and M3 with weights from 1 mg to 2000 kg.

The KERN DKD calibration laboratory for electronic balances and weights ·Calibration of force-measuring devices has been accredited by DKD since 1994 and today is one of the most modern and best-equipped DKD calibration laboratories for balances, test weights and force-measurement in Europe.

(DKD = German Calibration Service ~ UKAS)

Thanks to the high level of automation, we can carry out DKD calibration of balances, test weights and force-measuring devices 24 hours a day, 7 days a week.

Range of services:

- •DKD calibration of balances with a maximum load of up to 6000 kg
- DKD calibration of weights in the range of 1 mg 500 kg
- Database supported management of checking equipment and reminder service
- DKD calibration certificates in the following languages D, GB, F, I, E, NL, PL

Do you have questions about your scale, the corresponsing test weight or the calibration service? Your KERN specialist dealer will be pleased to assist you.

Your KERN specialist dealer:

Intertech d.o.o. VII. Ulica - Del 007 SI-1235 Radomlje, Slovenia EU



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KERN – Professional measuring. Measuring technology and testing services from a single source









