BALANCES & TEST SERVICE 2024

Precision balances

Precision Balances KERN PES · PEJ



Robust laboratory and industrial precision scale for heavy items, verification optional

Features

- KERN PEJ: Automatic internal adjustment, guarantees high degree of accuracy and makes the balance independent of its location of use
- KERN PES: Adjusting program CAL for quick setting of the balance accuracy using an external test weight at an additional price, see *Test Weights*
- · Metal housing: robust and sturdy
- Weighing with tolerance range (checkweighing): Input of two upper and two lower limit values through four arrow keys. An audible and visual signal assists with the portioning, dispensing or grading
- A, B Underfloor weighing: load support with hook on the underside of the balance for models

- A Hook included with the delivery
- B Hook not included with the delivery
 A, B: Protective working cover included
- with delivery

Technical data

- Fluorescent display, bright with high contrast, digit height 14 mm
- Dimensions weighing surface, stainless steel
 ▲ W×D 140×120 mm
- B W×D 200×200 mm, see larger picture
 C W×D 250×220 mm
- Overall dimensions (without draught shield) W×D×H
 A, B 220×333×93 mm
- C 260×330×113 mm
- Permissible ambient temperature 10 °C/30 °C

Accessories

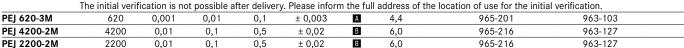
PREMIUM

- A, D: Protective working cover, scope of delivery: 5 items, KERN PES-A04S05
- KERN PES: Internal rechargeable battery pack, operating time up to 6 h with backlight, charging time approx. 15 h, KERN PES-A01
- Loop for underfloor weighing, for models with weighing plate size **B**, KERN PES-A03
- Relay output to connect relays, signal lamps, valves etc., 5 outputs for weighing in 3 tolerance ranges, must be ordered at purchase, KERN PES-A02
- Minimum weight of sample, smallest weight to be weighed, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103
- Equipment qualification: compliant qualification concept which includes the following validation services, Installation Qualification (IQ), Operating Qualification (OQ)
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD		OPTION	FACTORY
CALINT CALEXT RS 232 PRINT		((↓↓1)) FED T-FORK 1 DAY MULTI	DAkkS +3 DAYS SWITCH

	Weighing	Readability	Readability Verification		Linearity	Weighing Net	Net	Options	
	capacity		value	load		plate	weight	Verification	DAkkS Calibr. Certificate
	[Max]	[d]	[e]	[Min]				M	DAkkS
KERN	g	g	g	g	g		kg	KERN	KERN
PES 620-3M	620	0,001	-	-	± 0,003	А	3,6	-	963-103
PES 2200-2M	2200	0,01	-	-	± 0,02	В	4,4	-	963-127
PES 4200-2M	4200	0,01	-	-	± 0,02	В	4,0	-	963-127
PES 6200-2M	6200	0,01	-	-	± 0,03	В	4,4	-	963-104
PES 15000-1M	15000	0,1	-	-	± 0,2	В	4,4	-	963-128
PES 31000-1M	31000	0,1	-	-	± 0,4	C	10,0	-	963-128

Note: For devices that require verification (conformity assessment according to NAWI 2014/31/EU), please include the verification when placing your order. The initial verification is not possible after delivery. Please inform the full address of the location of use for the initial verification.











BALANCES & TEST SERVICE 2024

Interface for second

second balance

Protocol (KCP)

It is a standardized

Network interface

an Ethernet network

KERN Communication

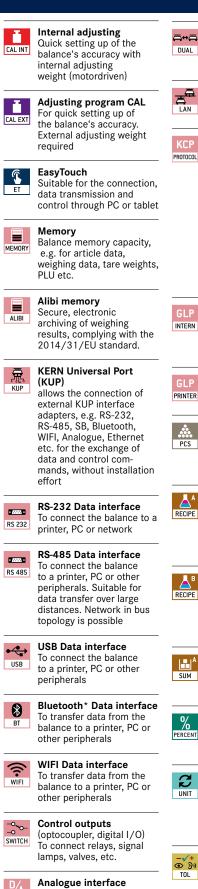
interface command set for

For direct connection of a

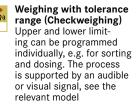
For connecting the scale to

balance

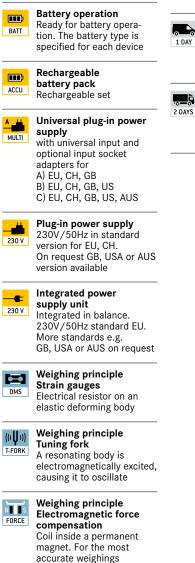
KERN Pictograms

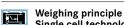












Single cell technology Advanced version of the force compensation principle with the highest level of precision

Conformity Assessment Μ The time required for +3 DAYS conformity assessment is specified in the pictogram

DAkkS calibration DAkkS

possible (DKD) The time required for DAkkS calibration is shown in days in the pictogram



+3 DAYS

Factory calibration (ISO) The time required for Factory calibration is shown in days in the pictogram

Package shipment

The time required for internal shipping preparations is shown in days in the pictogram

Pallet shipment

The time required for 2 DAYS internal shipping preparations is shown in days in the pictogram

*The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by KERN & SOHN GmbH is under license. Other trademarks and trade names are those of their respective owners



ANALOG

to connect a suitable

peripheral device for analogue processing of the measurements