BALANCES & TEST SERVICE 2024

Display Devices, Platforms, Weighing Bridges

Display Devices KERN KIB-TM · KFN-TM



KERN KIB-TM

Practical Flip/Flop Display Device for greatest ease of use

Features

- Practical Flip/Flop display device: flexible positioning e.g. free-standing or screwed to the wall (optional). By rotating the upper housing shell you can determine the angle of the display as well as the cable outlet.
- Factory Option ex works for an additional cost, delivery time + 2 working days, KERN KIB-M01
- Industry 4.0: A large number of (optional) data interfaces enable convenient transferring weighing data to tablets, labtops, PCs, networks, smartphones, printers, etc.
- Searching and remote control of the balance using external control devices or computers with the KERN Communication Protocol (KCP).





* Note: In addition to the RS-232 data interface, which is integrated as standard, only one other data interface can be installed and operated

Features	Model KERN	Model KERN
	3 KIB-TM	4 KFN-TM
Display (segments)	6 digits	5 + 1/2 digits
EC type approval	yes	yes
Resolution verifiable	6000 e	6000 e
Resolution non verifiable	60000 d	30000 d
Weighing capacities	≤ 2	≤ 2
Weighing units	kg, g	kg
Readability	1, 2, 5, 10, n	1, 2, 5, 10, n
Piece counting with reference	5, 10, 20, 25, 50, 100	10, 20, 50, 100, 200
Display, digit height	Backlit LCD display, 24 mm	Backlit LCD display, 52 mm
Additional functions	Totalising, HOLD function, printing of time. KCP Only possible through RS-232; USB, Bluetooth, WiFi, Digital I/O, LAN on request	Totalising, HOLD function
Strain gauge load cells	87-1100 Ω	87 - 1600 Ω
Linearisation	3 points	3 points
Input voltage	12 V DC, 1000 mA	12 V, 500 mA
Permissible ambient temperature	-10 °C/40 °C	-10 °C/40 °C
Interface RS-232	yes*	KFN-A01
Interface RS-485	-	-
Interface USB	KIB-A03*	-
Interface Bluetooth	KIB-A04	-
WiFi	KIB-A10*	-
SWITCH (DIGITAL I/O)	-	-
LAN	KIB-A02*	-
Alibi memory	KIB-A01	_
Analogue module	-	0–10V: KERN KFB-A04 4–20 mA: KERN KFB-A05
Stand	EOC-A05	BFS-A07
Benchtop stand for display device/wall mount	EOC-A04	yes/yes
Protective working cover	EOC-A01S05	-
Rechargeable battery pack	KFB-A01	GAB-A04
Operating/charging time	up to 43 h/3 h	up to 35 h/12 h
Dimensions Housing W×D×H	268×115×70 mm	266×165×96 mm
Net weight	0,8 kg	2,6 kg

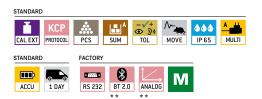


KERN KFN-TM

Stainless steel display device with IP65 protection and superior display size and optional analogue output for controlling systems (PLC) etc.

Tip

 to see what options are offered by this display device, please see the KERN SFB platform scale on page 78



- * not possible in combination with verification. When installing the Bluetooth data interface, the RS-232 data interface can no longer be used
- ** not possible in combination with signal lamp. When installing the analogue module, the RS-232 data interface can no longer be used



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Interface for second

second balance

Protocol (KCP)

It is a standardized

Network interface

an Ethernet network

KERN Communication

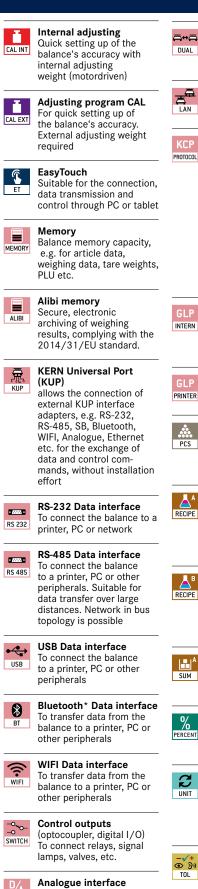
interface command set for

For direct connection of a

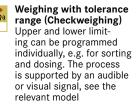
For connecting the scale to

balance

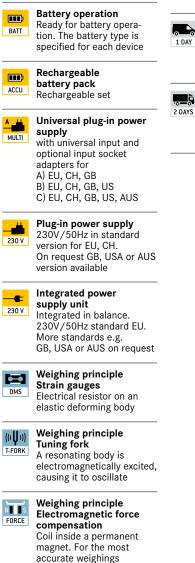
KERN Pictograms

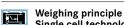












Single cell technology Advanced version of the force compensation principle with the highest level of precision

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

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ANALOG

to connect a suitable

peripheral device for analogue processing of the measurements