The standard in the laboratory, ideal for a wide range of applications for Industry 4.0

Features

- Compatible with school-specific software solutions such as, for example, Vernier ® or LabQuest ®. Thanks to the KERN School Protocol, as part of technical experiments, weighing data can be transferred to a PC, laptop, etc. for evaluation and display using the USB data interface
- KERN Universal Port (KUP): permits the connection of an external KUP interface adapter, such as, for example, RS-232, USB, Bluetooth, WiFi or Ethernet, for the exchange of data and control commands, without any installation outlay
- KERN Communication Protocol (KCP): The KCP permits searching and remote control of the balance using external control devices or computers
- For further information on KUP and KCP see page 18/19
- Standardised, simplified concept of operation
- PRE-TARE function for manual subtraction of a known container weight, useful for checking fill-levels
- With the recipe function you can weigh the different ingredients of a mixture. As a check, you can also call up the total weight of all the ingredients
- Weighing with tolerance range: a visual and audible signal helps with portioning, dispensing or grading
- Freely programmable weighing unit, e.g. display direct in special units such as length of thread g/m, paper weight g/m^2, or similar
- A special Anti-Shock system between the weighing plate and weighing cell reduces vibrations during the weighing process and in this way ensures rapid, reliable weighing results
- A Ring-shaped draught shield standard, only for models with weighing plate size A, weighing space Ø×H 90×40 mm
- Protective working cover included with delivery


A


B


C

Technical data

- Backlit LCD display, digit height 21 mm
- Dimensions weighing surface
  - A ø 82 mm
  - B ø 105 mm
  - C W×D 130×130 mm
  - D W×D 150×170 mm, see larger picture
- Weighing plate material
  - A plastic, with conductive lacquer
  - B, C, D stainless steel
- Overall dimensions (without draught shield) W×D×H 163×245×65 mm
- Optional battery operation, 4×1.5 V AA not included in scope of delivery, operating time up to 20 h. AUTO-OFF function to preserve the battery
- Permissible ambient temperature -10 °C/40 °C

Accessories

- Protective working cover, scope of delivery: 5 items, KERN YBA-A12S05
- Internal rechargeable battery pack, operating time up to 48 h without backlight, charging time approx. 8 h, KERN YKR-01
- RS-232 interface adapter, KERN KUP-01
- USB interface adapter, KERN KUP-03
- Ethernet interface adapter, KERN KUP-04
- WiFi interface adapter, KERN KUP-05
- Bluetooth interface adapter, KERN KUP-06
- Extension box for connecting up to three interfaces in parallel, KERN KUP-13
- BalanceConnection software for flexible measured value recording or transmission, compatible with Microsoft® Excel, Access and other applications, Scope of supplies: Download link for 1 license, KERN SCD-4.0-DL
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

CAL EXT · KUP · KCP PROTOCOL · GLP PRINTER · PCS · RECIPE · % PERCENT · UNIT · TOL · MOVE · UNDER · BATT · MULTI · DMS · 1 DAY

OPTION

ET · RS 232 · USB · BT · WIFI · LAN · ACCU · DAkkS +3 DAYS

Model	Weighing capacity [Max]	Readability [d]	Reproducibility	Linearity	Resolution	Weighing plate	Options DAkkS Calibr. Certificate DAkkS KERN
KERN	g	g	g	g	Points		
PCB 200-3	200	0,001	0,001	± 0,005	200.000	A	963-127
PCB 300-3	360	0,001	0,001	± 0,005	360.000	A	963-127
PCB 300-2	300	0,01	0,01	± 0,02	30.000	B	963-127
PCB 1000-2	1200	0,01	0,01	± 0,03	120.000	C	963-127
PCB 3000-2	3600	0,01	0,02	± 0,05	360.000	C	963-127
PCB 2000-1	2000	0,1	0,1	± 0,2	20.000	C	963-127
PCB 6000-1	6000	0,1	0,1	± 0,3	60.000	D	963-128
PCB 10000-1	10000	0,1	0,1	± 0,3	100.000	D	963-128
PCB 6000-0	6000	1	1	± 2	6.000	D	963-128