

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
- Industry 4.0: The integrated KERN Universal Port (KUP) allows the connection of external KUP interface adapters such as RS-232, USB, Bluetooth, WLAN, Analogue, Ethernet etc. The outstanding advantage here is that the KUP interface adapters are simply plugged in, i.e. retrofitting interfaces is conveniently possible without opening the scale housing or complicated installation. The interface adapters enable convenient transmission of weighing data to networks, PCs, smartphones, tablets, laptops, printers etc. In addition, control commands and data inputs can also be sent to the scale via the connected devices. Tip: with the KERN KUP-13 extension box, up to three KUP interface adapters can be operated in parallel on the scale.
- KERN Communication Protocol (KCP): The KCP permits searching and remote control of the balance using external control devices or computers. for details see page 8/9
- 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 (checkweighing): a visual 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
- Ring-shaped draught shield standard, only for models with weighing plate size A, ⌀ 82 mm, weighing space ⌀×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, **€ 44,–**
- Internal rechargeable battery pack, operating time up to 48 h without backlight, charging time approx. 8 h, KERN YKR-01, **€ 35,-**
- External data interface RS-232, Interface cable included, KERN YKUP-01, **€ 68,–**
- External data interface USB, Interface cable included, KERN YKUP-03, **€ 98,–**
- External data interface Ethernet, KERN YKUP-04, **€ 125,–**
- WiFi interface adapter, KERN YKUP-05, **€ 98,–**
- Extension-Box, KERN YKUP-13, **€ 98,–**
- Software BalanceConnection, for flexible recording or transmission of measured values, in particular also to Microsoft® Excel or Access as well as transfer of this data to other Apps and programs, For more details see the internet, Scope of supplies: 1 CD, 1 license, KERN SCD-4.0, **€ 189,–**
- Individual header data: the free software SHM-01 can be used to print 4 header lines on the printout when using printers 911-013, YKN-01, YKB-01N, YKE-01 and YKC-01 (in combination with YKI-02)
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



OPTION



Model KERN	Weighing capacity [Max] g	Readability [d] g	Reproducibility g	Linearity g	Weighing plate	Price excl. of VAT ex works €	Option DAkkS Calibr. Certificate DAkkS KERN	 €
PCB 200-3	200	0,001	0,001	± 0,005	A	**375,-**	963-127	93,-
PCB 300-3	360	0,001	0,001	± 0,005	A	**390,-**	963-127	93,-
PCB 300-2	300	0,01	0,01	± 0,02	B	**295,-**	963-127	93,-
PCB 1000-2	1000	0,01	0,01	± 0,03	C	**355,-**	963-127	93,-
PCB 3000-2	3600	0,01	0,01	± 0,05	C	**380,-**	963-127	93,-
PCB 2000-1	2000	0,1	0,1	± 0,2	C	**275,-**	963-127	93,-
PCB 6000-1	6000	0,1	0,1	± 0,3	D	**300,-**	963-128	112,-
PCB 10000-1	10000	0,1	0,1	± 0,3	D	**315,-**	963-128	112,-
PCB 6000-0	6000	1	1	± 2	D	**210,-**	963-128	112,-