



Universal carrying case for scales

adjustable to user specification thanks to pre-perforated foam material. Interior measurements WxDxH 520x320x95 mm. Only for scales with strain gauge weighing systems, not suitable as delivery packaging,

KERN YPS-02



Sturdy transport case

for the safe transport and storage of series EOE, EOB scales with weighing plate size $\leq 315 \times 305$ mm without stand; inner dimensions WxDxH 425x315x65 mm,

KERN MPS-A07



Second display

Ideal for training or for demonstration purposes in laboratories or in industry

- Large backlit LCD display digit height 25 mm
- Two additional RS 232 data interfaces
- Interface cable to the scale, length approx. 1.5 m
- Mains adapter, standard
- Dimensions WxDxH 200x100x55 mm

Suitable for models 440, CB, CDE, CME, DE, FCB, FKB...A, NDE, PCB, **KERN YKD-A01**



Board for suspended weighing

made of aluminium, with adjustable lower plate, 4 foot screws, WxDxH 350x290x370 mm,

KERN 904-101

Plummet

for density determination of liquids. Made of glass, hanging on a platinum wire.

Volume 10 cm³, weight 30 g, length 169 mm, verifiable,

KERN 152-532

Verification, **KERN 950-272**

Balance Connection

For the direct transmission of balance data to Windows applications (operating systems XP, Vista, Windows 7)

- Transfer via RS 232 to the PC, e.g. to MS Excel
- Transfer at the touch of a key or on a time-controlled basis
- Date and time can be given at any time
- The interface protocols for KERN balances are already predefined
- Interface cable included.

Please specify balance model when ordering (see interface cable table)

Benefits:

- Typing errors during manual transfer, for example, are avoided
- GLP-compliant lab software

KERN SCE-4.0



Ethernet option ... the easy LAN connection

Allows you to connect the scale to an Ethernet network. The IP address, subnet mask and gateway are assigned to the scale manually. DHCP server are not supported.

IMPORTANT: To connect to your network, you need information and support from your network administrator. Discuss the integration of the scale with your network administrator prior to placing your order.

For models **ITB/ITS/ITT: KMB-A01**

For models **FTB/FTC: FTB-A09**

INTERESTING FACTS ABOUT THE DETERMINATION OF DENSITY ▲

Density determination of liquids and solid matter, in accordance with the buoyancy method, is known for a high degree of accuracy.

Density determination of liquids: by means of measuring the buoyancy with a glass plummet, 10 cm³, resolution 0.0001 g/cm³

Density determination of solid matter: the density is the ratio of weight [g]: Volume [cm³]. The weight is derived by weighing the sample in air.

The volume is determined from the buoyancy [g] of a sample, which is submerged in a liquid. The density [g/cm³] of this liquid is known.

Applications:

- Materials analysis
- Density of porous materials
- Pre-packaged goods check, whenever the merchandise is sold according to volume [cm³]. This volume is calculated from the weight [g]: density [g/cm³].


























Interface cable for RS 232, length approx. 1,5 m

Note: The interface cable is free of charge if you purchase the balance and printer together.

Printers →	YKB-01N + PC + 911-013 Order No.	YKS-01 Order No.	YKT-01 Order No.	YKL-01 only weighing data print Order No.	YKL-01 addit. barcode print Order No.
Scale ↓					
440, AL...-A, BTBP, BTSP, BTTP, CME, CDE, DE, FCB, FTB, FTC, FKB-A, ITB, ITS, ITT, KMB-TM, KMS-TM, KMT-TM, NDE, PCB	572-926				
572, 573, CDS, CKE, DS, FKB, FKT, KB, IKT, PL...-A, PL...-F	572-926				
BFB, CFS, GAB-N, IFB, KFB-TM, KFN-TM, PFB, UF...	CFS-A01				
KFF-T	KFF-A01				
EW/EG, FE...*, PE...*, AE...*, *Printer connection (unidirectional)	474-926				
ABJ, ABS, ABT, PBS, PBJ	770-926				
AL...-N, FEJ, FES, PEJ, PES, AE...	MLB-A05				
ALT, ILB, MLB, MLS, PLT, CPB, RPB	MLB-A05	-	-	MLB-A05	-
BTEP, KME, NTEP, UTEP, KME	MLB-A05				
BFS, IFS, KFS-T	CFS-A01	-	-	CFS-A01	-
CWS	CWS-A02	-	-	CWS-A02	-
CXP	CXP-A02	-	-	CXP-A02	-
PRS, PRJ	PR-A23				
MRS	PR-A23	-	-	-	-

KERN Pictograms

 Internal adjusting (CAL): Quick setting of the balance's accuracy with internal adjusting weight (motordriven).	 Adjusting program (CAL): For quick setting of the balance's accuracy. External adjusting weight required.	 Weighing units: Can be switched to e.g. non-metric units at the touch of a key. See balance model. Please refer to KERN's website for more details.
 Rechargeable battery pack: rechargeable set.	 Power supply: integrated in balance. 230V/50Hz in Germany. On request GB or USA version.	 Mains adapter: 230V/50Hz in standard version for Germany. On request GB or USA version.
 Battery operation: The battery type is specified for each device.	 Piece counting: Reference quantities selectable. Display can be switched from piece to weight	 Spray and dust protection IPxx The type of protection is shown by the pictogram. For details see the glossary.
 Data interface: The type of interface is shown by the pictogram. See the glossary for further details.	 GLP/ISO record keeping of weighing data with date, time and identification-no. Only with printers from KERN.	 Tare: put back displayed value to "0" during weighing process, e.g. to add or remove weighing material from a container.
 Animal weighing program: Strong vibrations are filtered out to determine a stable weighing result.	 Stainless steel: the balance is protected against corrosion.	 Warranty: The warranty period is shown in the pictogram.
 Net-total weighing: weight of tare cup and weight of components memorized in two separate stores.	 Suspended weighing: load support with hook on the underside of the balance.	 Verification possible. The time required for verification is specified in the pictogram.
 Percentage determination: Displays the deviation from the reference weight (100%) in % instead of grams.	 Weighing with tolerance range: Upper and lower limiting can be programmed individually, e.g. dosing/sorting.	 DKD calibration possible. The time required for DKD calibration is specified in the pictogram.
 Package shipment via courier.	 Pallet shipment via freight forwarder.	[DMS] For details on weighing technologies, see the glossary.

Precision is our business

To ensure the high level of precision of your balance, KERN offers 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 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)

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 6 t
- DKD calibration of weights in the range of 1 mg – 500 kg
- Database supported management of checking equipment and reminder service
- Calibration of force-measuring devices
- DKD calibration certificates in the following languages
D, GB, F, I, E, NL, PL

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

Your KERN specialist dealer:

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



German Excellence Group
Member