Moisture analyser KERN DLT-N

NEW

PREMIUM ★★★

High-end moisture analyser with touch-sensitive tablet and innovative Android® operating system

Features

- **Innovative touchscreen:** Touch-sensitive, backlit LCD touch tablet with very good contrast for easy operation and convenient reading
- **Clear menu structure with plain text captions on the display.** The menu and processes are self-explanatory. This reduces training times, avoids operating errors and in this way, ensures a more efficient functionality
- **High mobility thanks to tablet operation,** data is available any time, anywhere
- **High-performance Android® operating system**
- **Lots of memory** for your applications
- **Memory for automatic run of 300 complete drying processes** (12 free digits per memory) and 100 drying processes already executed, which can be called up individually

STANDARD

CAL EXT | MEMORY | RS 232 | BT | GLP PRINTER | UNIT | 230 V | 230 V | DMS | 1 DAY | 3 YEARS WARRANTY

OPTION

DAkkS +3 DAYS

KERN	DLT 100-3N
Readout [d]	0,001 g | 0,01 %
Weighing range [Max]	160 g
Reproducibility, weight of sample 10 g	0,001 g
Display after drying (Display switchable at all times)	
Moisture [%] = Dry content [%] = Moisture content (M) from wet weight (W)	0 - 100 %
Dry content [%] = Dry weight (D) from (W)	100 - 0 %
ATRO [%] [(W-D):D] · 100%	0 - 999 %
Moisture content [g] (M)	Absolute value in [g]
Temperature range	35 °C - 160 °C in steps of 1 °C
Drying modes	Standard drying Gradual drying Gentle drying Rapid drying
Switch off criteria	• When the set time has expired (1 - 99 min) • When the weight loss per unit of time (60 sec) falls below the target value
Call up of measurement	• At the end of the drying process, manual or automatic (only in connection with KERN YKC-01)
Dimensions Moisture analyser WxDxH	210x340x225 mm
Dimensions Tablet BxTxH	195x120x10 mm
Net weight	approx. 4,5 kg
Option DAkkS Calibration Certificate	963-127

- **Practical weighing assistance** to arrive at a defined target value [g] with an adjustable tolerance range of 1 – 25 % of the target value
- **10 sample plates included**
- **Wireless connection to a Bluetooth printer** allows for the printing of weighing data and drying curves for archiving purposes
- **Halogen quartz glass heater** 400 W
- **Colour LCD Display**, digit height 12 mm, screen diagonal 7" (approx. 178 mm), all information at a glance:
  1 Drying process active
  2 Status information, available for display
  3 Current moisture content in %
  4 Current temperature
  5 Android®-specific navigation elements
  6 Drying rate
  7 Switch off mode
  8 Drying type *Standard*
  9 Target temperature
  10 Current display and print-out of moisture-%
  11 Graphic display of the drying curve shows the progress of the drying process in real time and can be used by the operator to check and evaluate the result

Accessories

- **Sample plates aluminium**, Ø 92 mm. Box with 80 pieces, KERN MLB-A01
- **Round fiberglass filter** e.g. for samples that splash or become encrusted. Box with 80 pieces, KERN RH-A02
- **Temperature calibration set** consisting of measuring sensor and display device, incl. transport case, KERN DLB-A01
- **Protective working cover** standard, can be reordered, KERN ALJ-A01
- 12 **Bluetooth thermal printer,** suitable for wireless connection to compatible, Bluetooth-enabled moisture analysers, balances, dynamometers etc., see page 157, KERN YKC-01

KERN Pictograms

Internal adjusting: Quick setting up of the balance's accuracy with internal adjusting weight (motordriven).

Adjusting program CAL: For quick setting up of the balance's accuracy. External adjusting weight required.

Memory: Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.

Data interface RS-232: To connect the balance to a printer, PC or network.

RS-485 data interface: To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance.

USB data interface: To connect the balance to a printer, PC or other peripherals.

Bluetooth data interface: To transfer data from the balance to a printer, PC or other peripherals.

WLAN data interface: To transfer data from the balance to a printer, PC or other peripherals.

Control outputs (optocoupler, digital I/O): To connect relays, signal lamps, valves, etc.

Interface for second balance: For direct connection of a second balance.

Network interface: For connecting the scale to an Ethernet network. With KERN products you can use a universal RS-232/LAN converter.

GLP/ISO log: The balance displays the weight, date and time, regardless of a printer connection.

GLP/ISO log: With weight, date and time. Only with KERN printers, see "Accessories"

Piece counting: Reference quantities selectable. Display can be switched from piece to weight.

Recipe level A: Separate memory for the weight of the tare container and the recipe ingredients (net total).

Recipe level B: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display.

Recipe level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display. Additional convenient functions, such as barcode and back calculation functions.

Totalising level A: The weights of similar items can be added together and the total can be printed out.

Totalising level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display. Additional convenient functions, such as barcode and back calculation.

Percentage determination: Determining the deviation in % from the target value (100 %).

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.

Weighing with tolerance range: Upper and lower limiting values can be programmed individually for e.g. dosing, sorting and portioning.

Vibration-free weighing: (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value.

Protection against dust and water splashes IPxx: The type of protection is shown in the pictogram. For details see the glossary.

ATEX explosion protection: Suitable for use in hazardous industrial environments, in which there is explosion danger. The ATEX marking is specified for each device.

Stainless steel: The balance is protected against corrosion.

Suspended weighing: Load support with hook on the underside of the balance.

Battery operation: Ready for battery operation. The battery type is specified for each device.

Rechargeable battery pack: Rechargeable set.

Mains adapter: 230V/50Hz in standard version for EU. On request GB, AUS or USA version available.

Power supply: Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA on request.

Strain gauges: Electrical resistor on an elastic deforming body.

Tuning fork principle: A resonating body is electromagnetically excited, causing it to oscillate.

Electromagnetic force compensation: Coil inside a permanent magnet. For the most accurate weighings.

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

Verification possible: The time required for verification is specified in the pictogram.

DAkkS calibration possible: The time required for DAkkS 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 internal shipping preparations is shown in days in the pictogram.

Warranty: The warranty period is shown in the pictogram.

Precision is our business

To ensure the high precision of your balance KERN offers you the the appropriate test weight in the international OIML error limit classes E1-M3 from 1 mg - 2000 kg. In combination with a DAkkS calibration certificate the best pre-requisite for proper balance calibration.

The KERN DAkkS calibration laboratory today is one of the most modern and best-equipped DAkkS calibration laboratories for balances, test weights and force-measurement in Europe.

Thanks to the high level of automation, we can carry out DAkkS calibration of balances, test weights and force-measuring devices 24 hours a day, 7 days a week.

Range of services:

- DAkkS calibration of balances with a maximum load of up to 6 t
- DAkkS 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
- DAkkS calibration certificates in the following languages D, GB, F, I, E, NL

Your KERN specialist dealer:

WolfLabs

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct.
If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.