## **BALANCES & TEST SERVICE 2024**

**Moisture Analyser** 

### Moisture Analyser KERN DLB



# Moisture analyser with intuitive graphic display and step-by-step user guidance in 6 languages

4 Select shut-off criteria

**5** Setting to zero/taring

During measurement:

7 Current temperature

Current heating profile

Abort drying process

11 Stop drying process

9 Active switch-off criteria

Display current drying parameters

Toggle the unit for displaying the results

6 Stand-by

### Features

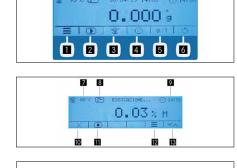
- Rapid and efficient operation thanks to the graphics display
- Backlit LCD graphic display, digit height 11 mm
- 6 direct keys for rapid access to the main functions

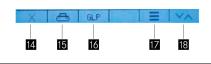
### Home screen:

- 1 Main menu
- 2 Start drying process
- **3** Select drying temperature



KERN	DLB 160-3A
Readability [d] Weight/Moisture (%)	0,001 g / 0,01%
Weighing capacity [Max]	160 g
Reproducibility weight of sample 2 g*	0,15%
Reproducibility weight of sample 10 g*	0,05%
Display after drying (Display can be switched over at any time)	
Moisture [%] = Moisture content (M)	0 - 100 %
from wet weight (W)	
Dry content [%] = Dry weight (D) from W	100 - 0 %
ATRO [%] [(W-D) : D] · 100 %	0 - 999 %
Moisture content (M)	Absolutwert in [g]
Temperature range (in steps up to)	35 °C - 160 °C (1 °C)
Drying modes	J → Standard drying
	F- Rapid drying, preheating can be switched on
Switch-off criteria	<ul> <li>Automatic unrestricted switch-off</li> </ul>
	(Selectable loss in weight 1 mg/30 s-10 mg/30 s)
	<ul> <li>Time controlled switch-off (1 min – 99 min)</li> </ul>
	<ul> <li>Manual switch-off at the press of a button</li> </ul>
Log output	Interval adjustable (5 s – 250 s)
Overall dimensions W×D×H	240×365×180 mm
Net weight	4,82 kg
Price excl. of VAT ex works €	
Option DAkkS Calibr. Certificate Mass	KERN 963-127
Option DAkkS Calibr. Certificate Temperature	KERN 964-305
* application-dependent	ONLY WHILE STOCKS LAST







### At the end of the measurement:

- M Exit drying program
- 15 Print measurement report
- 16 (De)activate, edit GLP parameters
- 17 Display detailed result
- 18 Toggle the unit for displaying the results
- 400 W halogen-quartz glass heater
- User guidance in 6 languages (DE, EN, FR, IT, ES, PT)
- Automatic taring when starting a measurement by closing the lid
- The last value measured remains on the display until it is replaced by a new measurement
- Internal GLP; printout of balance ID, project ID, user ID, values determined by the drying process etc.
- · 10 sample plates included
- · Protective working cover included with delivery
- Application handbook: In the download centre you will find a practical application handbook containing many examples, field reports, settings and tips for each KERN moisture analyser

### Accessories

- Protective working cover, scope of delivery 5 items, KERN ALJ-A01S05
- Sample plates aluminium, Ø 90 mm, unit of 80 pieces, KERN MLB-A01A
- Round fiberglass filter, medium mechanical stability, without organic binder, box of 100 pieces, KERN RH-A02
- Round fiberglass filter, medium mechanical stability, without organic binder, box of 100 pieces, KERN YMF-A01
- Temperature calibration set consists of measuring sensor and display device KERN DLB-A01N.
- Thermal printer, KERN YKB-01N
- Matrix needle printer, to print the weights on normal paper, ideal for long-term archiving, KERN 911-013



# KERN

## **BALANCES & TEST SERVICE 2024**

Interface for second

second balance

Protocol (KCP)

It is a standardized

Network interface

an Ethernet network

**KERN Communication** 

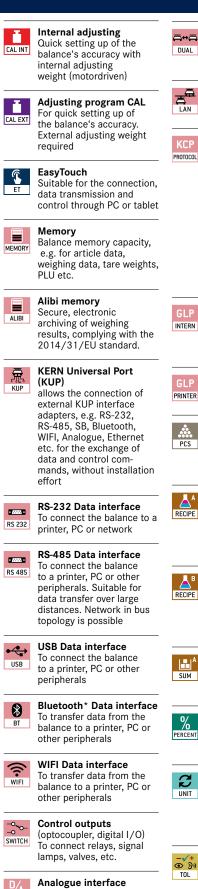
interface command set for

For direct connection of a

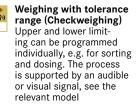
For connecting the scale to

balance

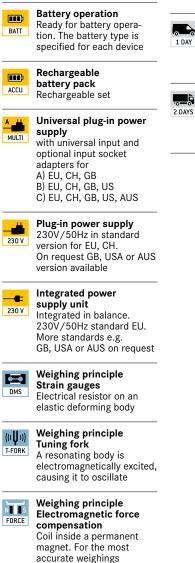
### **KERN Pictograms**

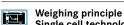












Single cell technology Advanced version of the force compensation principle with the highest level of precision

#### 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