Trocknungsverlauf

Moisture analyser with high-quality single-cell weighing system for outstanding stability, reliability and response speed

Features

- Tip: Suitable for samples with low moisture content, e.g. plastics
- Backlit graphic display, digit height 15 mm
- **1** Active drying process
- **2** Previous drying time
- **3** Current temperature
- **4** Unit for displaying the results
- **5** Current moisture content in %
- **6** Active heating profile
- 400 W halogen-quartz glass heater
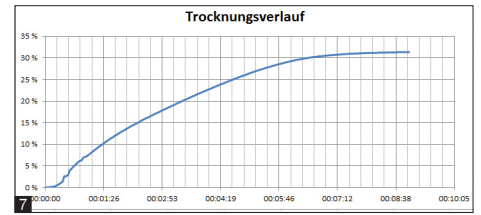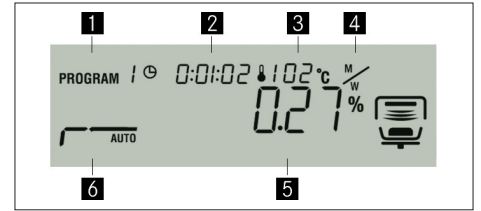- Excellent temperature control thanks to halogen technology, suitable for temperature-sensitive samples

- Internal memory for automatic sequence of 10 complete drying processes and 100 drying processes carried out
- The last measured value remains visible in the display until the next measurement
- Password protection to prevent manipulation of stored settings, data, etc.
- Sample description for up to 99 samples, freely programmable, and is printed in the measuring protocol
- Date and time display as standard
- USB data interface for transferring weighing data to the PC, printer etc.
- 50 sample plates included
- Protective working cover included with delivery
- On the internet, 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 DBS-A03S05
- Sample plates aluminium, ⌀ 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
- Temperature calibration set consists of measuring sensor and display device, KERN DBS-A01.
- USB 2.0 cable, KERN DBS-A04
- **7** 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
- Thermal printer, KERN YKH-01
- Matrix needle printer, to print the weights on normal paper, ideal for long-term archiving, KERN 911-013

STANDARD								OPTION
CAL EXT	MEMORY	RS 232	USB	GLP INTERN	UNIT	230 V	SC TECH	1 DAY	DAkkS +3 DAYS

KERN	DBS 60-3
Readability [d] Weight/Moisture (%)	0,001 g / 0,01%
Weighing capacity [Max]	60 g
Reproducibility weight of sample 2 g*	0,15%
Reproducibility weight of sample 10 g*	0,02%
Display after drying	
Moisture [%] = 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 (M)	Absolute value in [g]
Temperature range (in steps up to)	50 °C - 200 °C (1 °C)
Drying modes	Standard drying Drying in levels Gentle drying Rapid drying
Switch-off criteria	· Automatic unrestricted switch-off (Selectable loss in weight 0,01% – 0,1% in 30 s) · Time controlled switch-off (1 min – 12 h) · Manual switch-off at the press of a button
Recall of measurement/ Log output	Interval can be set from 1 s – 10 min (Only when used with printer or PC)
Overall dimensions W×D×H	204×336×167 mm
Net weight	4,6 kg
Option DAkkS Calibr. Certificate | Mass	963-127
Option Factory Calibr. Certificate | Temperature	964-305

* application-dependent