



KLABS - Smart Moisture Analyzer



Product Description

KLABS Smart Moisture Analyzer is designed for accurate moisture determination with halogen heating and advanced touchscreen interface. It provides real-time analysis, multiple drying modes, and displays moisture %, dry %, heating time, temperature, and weight for laboratory applications.

Features

- Intuitive touch screen
- Halogen Light heating
- Temperature & time can be set
- Stores 100 data records
- Real-time curve function helps to define appropriate test conditions for samples
- Sample library functions allows you to store up to 100 types of samples & it's drying conditions
- Automatically displays the percentage of slop
- Displays moisture %, dry %, heating time, heating temperature, weight
- Smart heating, prevents overheating. Regulates the voltage of halogen lamp so that temperature does not overshoot the set temperature
- German Load cell sensor
- User management supports 5 users & Audit Trail
- Analysis Method: Manual, Timed, Automatic
- Drying Modes: Standard, Fast & Soft

Applications / Uses

- Cereal, starch, flour
- Meat and dairy products
- Soil and ore
- Chemicals and pharma
- Paper, pulp, cotton, plastic, fibers
- Laboratory testing
- Industrial applications



Standard Accessories

- Standard Weight
- Pan
- Pan Holder
- Pan Lifter
- Touch pen
- Adapter
- Instruction Manual

Technical Specifications

Parameter	Specification
Product Name	Smart Moisture Analyzer
Moisture Range	0~100%
Moisture Resolution	0.02% ~ 0.2% (sample ≥ 2g)
Moisture Accuracy	±0.2%
Capacity	120g
Readability	0.001 g (1 mg)
Repeatability & Linearity	± 0.001 g & ± 0.002g
Minimum Load	0.01g
Display & Pan Size	5" Touchscreen, Ø 90 mm
Sensor & Calibration	German Loadcell, External
Operating Temperature	5 to 35°C
Heating Source	Halogen Lamp
Analysis Method	Manual, Timed, Automatic
Temperature Sensor	PT100
Temperature Setting Range	60 to 200°C
Temperature Resolution	1°C
Time Setting	2 to 100 mins
Sample Library	Yes, 100 sample methods
Drying Modes	Standard, Fast & Soft
Data Output	RS-232 and USB-A
Storage	100 memory
Power Supply	AC 220V / 50 Hz
Dimensions & Weight	350 x 215 x 192 mm & 4.5 kg