

Moisture Analyzers

i-Thermo are rugged instruments for moisture determination of raw materials and finished samples in the food, cosmetics, ceramics, agriculture and construction industry. Backlit LCD display, drying resolution 0,001%, 0,01% and 0,1%. Possibility of calibrating the internal thermometer (w/ optional KIT).

Features

- Electromagnetic force restoration weighing system (A64M and 163M)
- High resolution load cell weighing system (163L and 62L)
- Halogen-infrared lamp
- External calibration
- LCD with backlight with adjustable contrast
- Time (1-99 min) and Autostop operating modes
- 5 drying programs can be stored
- Temperature range: 35-160°C/1°C
- Moisture, dry residue in percentage and ATRO indications
- Drying resolution 0,001% - 0,01% - 0,1%
- Plastic protection cover

Accessories

- Portable ioniser Ion-A15 (BL0371)
- Thermometer calibration KIT (STCi-02)
- BEL Tablet System for balances. USB version (BL0329) or BLUETOOTH version (BL0330).
- Bluetooth printer DPP-250-BT for BEL Tablet system (AC013)
- Serial Printer TLP-50, with date/time (C054)
- Serial Printer DPP-250 (AC007)
- Alphanumeric external keyboard (AC005)
- Serial to USB converter (E1002)
- Serial cable for output to printer/PC (E743)
- Test pans (Ø 100mm x 0,5mm) (A753)
- Fiber glass test pans Ø 90mm (AC026)
- Factory Calibration certificate (BL0333)

Technical data

- Span drift (+ 10...+ 30 °C): +/- 3ppm/°C [i-Thermo A64M]; +/- 4ppm/°C [other models]
- Dimensions LxWxH (mm): 345x215x235
- Maximum dimension of container on the pan: 100mm (Ø) x 25mm (height)
- Power supply 110-230Vac, 50/60Hz; output 24V 500mA 13VA [i-Thermo A64M]; output 9V 1,2A 10VA [other models]
- Heater: 230V AC 50/60Hz, 400Watt
- Net Weight: 6,1Kg (A64M and 163M)
- Net Weight: 4,7Kg (163L and 62L)

i-Thermo - Res. 0,1mg-0,001g-0,01g



Model	Capacity (g)	Resolution (g)	Moisture Resolution	Pan (mm)	Repeatability (g)	Linearity (g)	Precision (2g)	Response time (sec.)
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External calibration

i-Thermo A64M	60	0,0001	0,001%	100mm Samples Pan	0,1	± 0,0003	0,18%	≤ 3
i-Thermo 163M	160	0,001	0,01%	100mm Samples Pan	0,001	± 0,003	0,18%	≤ 3
i-Thermo 163L	160	0,001	0,01%	100mm Samples Pan	0,001	± 0,003	0,20%	≤ 4
i-Thermo 62L	60	0,01	0,1%	100mm Samples Pan	0,01	± 0,03	0,50%	≤ 3

⁽¹⁾ only A64M, 163M

⁽²⁾ only 163L, 62L