

M5-iThermo balances are moisture analyzers with large 5" color touch screen display that gives a user-friendly access to all the balance advanced applications and internal databases. The user has easy and intuitive access with fast programming of drying cycles, thanks to icon-driven menus. This means more efficiency, productivity and interactivity. A double case structure protects the heart of the balance: an aluminum inner case and a composite plastic external case. The many on-board functions already included, the possibility of calibrating the internal thermometer using the optional KIT, up to 6 operating languages, the large 5" inch display and the RS232 serial output close the circle of a complete product, reliable and truly convenient. The models in the family allow reaching up to 0,001% drying readability.

Main features

- Electromagnetic force restoration weighing system (A64M and 163M)
- High readability load cell weighing system (163L and 62L)
- Halogen-infrared lamp
- External calibration
- Large 5" color touchscreen 800x480 display
- RS232 serial interface
- Drying readability 0,001% (-A64M), 0,01% (-163M and -163L), 0,1% (-62L)
- Drying modes: Time mode (1-99 min.), Autostop % or absolute autostop in grams, Manual
- Live Graph of humidity content changing
- Temperature range: 35-160°C, step of 1°C
- Temperature Profiles: Standard, fast, mild, steps
- Results in: Humidity%, Dry residue%, ATRO%, Weight
- Test results complete of full drying cycle Graph
- Up to 10 hot keys for fast recall of drying cycles from internal database
- Default database stored already with more than 30 products
- Saving results with test reports and drying graphic up to 300 records, for each user.
- Customizable settings for up to 10 users with the possibility of password protection.
- Serial output for connection to printer, USB port for export or import database, test results, etc.



Model	Max (g)	Readability [d] (g)	Moisture Readability	Pan (mm)	Repeatability (g)	Linearity (g)	Precision (2g)	Response time (sec.)
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External calibration

M5-Thermo A64M	60	0,0001	0,001%	100mm Samples Pan	0,0001	± 0,0003	0,18%	≤ 3
M5-Thermo 163M	160	0,001	0,01%	100mm Samples Pan	0,001	± 0,003	0,18%	≤ 3
M5-Thermo 163L	160	0,001	0,01%	100mm Samples Pan	0,001	± 0,003	0,20%	≤ 4
M5-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



Export/import results and database to USB

Accessories

- Thermometer calibration KIT (STCI-02)
- Serial Printer TLP-50, with date/time (C054)
- TEST pans (Ø 100mm x 0,5mm) (A753)
- Portable ioniser Ion-A15 (BL0371)
- Factory Calibration certificate (BL0333)
- Usb pendrive 8Gbyte (AC020)
- Touchscreen Stylus pen (AC021)

Technical data

- Span drift (+ 10...+ 30 °C): +/- 3ppm/°C [-Thermo A64M]; +/- 4ppm/°C [other models]
- Dimensions LxWxH (mm): 345x215x235
- Maximum dimension of container on the pan: 100mm (Ø) x 25mm (height)
- Power supply: AC 220-240 V (at request AC 110 Volt) 50/60Hz;
- Power consumption: rating 430 VA; Heat source lamp: 400Watt
- Net Weight: 6,1Kg (A64M and 163M)
- Net Weight: 4,7Kg (163L and 62L)



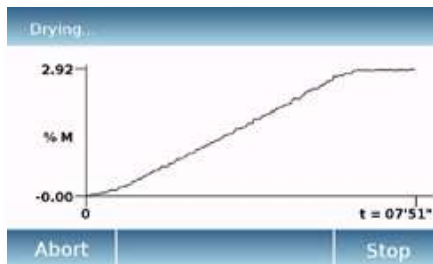
Main functions page for easy working



Drying cycle page with graph, with parameters



Internal database of products/processes



Real time Live Graph View, full screen