M5-Thermo - Res. **0,1mg-0,001g-0,01g**

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 resolution.

Features

- Electromagnetic force restoration weighing system (A64M and 163M)
- High resolution load cell weighing system (163L and 62L)
- Halogen-infrared lamp
- External calibration
- Large 5" color touchscreen 800x480 display
- RS232 serial interface
- Drying resolution 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	Capacity (g)	Resolution (g)	Moisture Resolution	Pan (mm)	Repeatibility (g)	Linearity (g)	Precision (2g)	Response time (sec.)
External calibration								
M5-Thermo A64M	60	0,0001	0,001%	100mm Samples Pan	0,1	± 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

RS 232 | UNITS | EM-FR [1] | LC-HR [2] | MODES | USB | GLP | CLOCK | GRAPH | PASSWORD

TOUCH

DATABASE

[1] only A64M, 163M

[2] only 163L, 62L

NEW

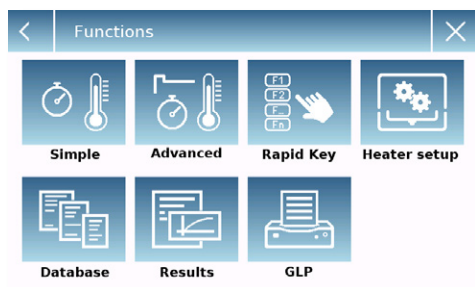Export/import results and database to USB

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)
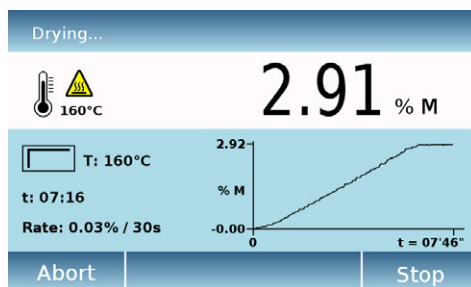- Touchscreen Stylus pen (AC021)

Technical data

- Span drift (+ 10...+ 30 °C): +/- 3ppm/°C [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: AC 220-240 V (at request AC 110 Volt) 50/60Hz; plugs EU,UK
- Power consumption: rating 430 VA; Heat source lamp: 400Watt
- Net Weight: 6,1Kg (A64M and 163M)
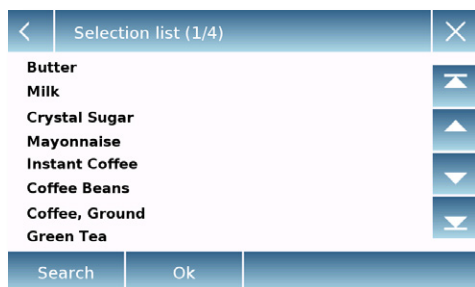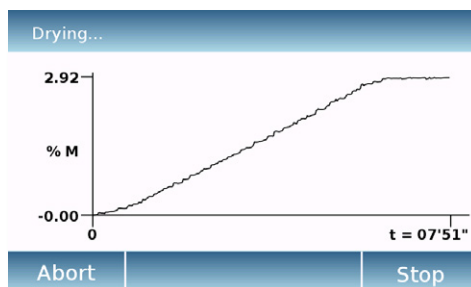- Net Weight: 4,7Kg (163L and 62L)

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