

One Click™ Melting Point For Simple Analyses



One Click™ User Interface

The large color display with the intuitive One Click™ touchscreen user interface minimizes training and operator influence. Quick familiarization is guaranteed with the common user interface for all Analytical Laboratory instruments.



Reliable Results

With the automatic measurement of transmission intensity, highly accurate melting point or melting range temperatures are obtained. Simultaneous visual camera observation guarantees that you can trust your measurements.



Quick and Simple Calibration

Fast and easy pre-programmed calibration and adjustment routines are available on the instrument. For instrument performance verification, the ready-to-use VPac™ verification kit is offered, containing prefilled capillaries of certified reference substances.



Video Recorded

Visual data of the last video is stored for unattended measurements. The high resolution videos can be conveniently replayed on the instrument at any time. This allows measurement integrity to be verified and interesting details to be studied.



MP30 Melting Point System

Everything you need for the simple, automatic determination of melting point: simultaneous determination of up to 3 samples, statistical analysis, and printable results. The outstanding temperature-accuracy specifications and the compliance with current standards such as Ph. Eur., USP and others ensure accurate results for melting point and melting range determination up to 300 °C. The MP30 is the ideal starter model and offers far more than can be expected from a standard melting point device:

- One Click™ melting point determination
- Widescreen display with color touch screen
- Color video recording
- Compact printer
- PDF export to USB stick

MP30 Functionality Overview

Applications	Fully automatic melting point (MP) and melting range (MR) determination. Pharmacopeia measurement mode, fixed evaluation parameters
One Click™	4 shortcuts per user
Documentation	USB-P25 compact printer USB memory stick for import/export and PDF storage
User Identification	10 different users with full functionality access
Methods and Results	Template for automatic MP or MR detection Statistics: mean value, standard deviation, difference, outlier result exclusion possible Maximum number of results: 1 Video storage and replay on instrument (with intensity curves) Storage of latest result and video (kept at switch-off, 2nd sample overwrites first) Last video is stored on instrument
Calibration and Adjustment	Fully automatic optics adjustment (position and brightness) One- and two-point temperature adjustment, automatic calculation of adjustment parameters. VPac™ pre-filled, ready-to-use capillaries filled with certified reference substances for temperature calibration and adjustment (optional)
Languages	User interface in English, German, French, Spanish, Italian, Portuguese, Chinese, Russian, Japanese, Korean. Printout in English, German, French
Standard compliance	www.mt.com/mpdp-norms

MP30 Technical Specifications

Temperatures	Measurement range	Ambient – 300 °C
	Heating rate	0.1 – 20 °C/min
	Resolution	0.1 °C
	Heating time (50 to 300 °C)	3 min
	Cooling time (300 to 50 °C)	4 min
Environment	Ambient temperature	10 – 35 °C
	Atmospheric humidity	Max 80% at 31 °C
Dimensions	Width x depth x height	18 x 35 x 19 cm
	Weight	4 kg
	Capillaries	MP: 3 (< 1.8 mm o.d.)
Terminal	7" display with color touch screen	
	Video: color AVI, 9x magnification	
Communication	USB host (printer, memory stick, barcode reader, hub, keyboard, mouse): 3	
Accuracy Melting Point*	Ambient – 200 °C	+/- 0.2 °C
	200 – 300 °C	+/- 0.5 °C

* Subject to sample, environment and handling

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For more information

Subject to technical changes
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