

## One Click™ Melting Point Strong Performance



### 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 detection of transmission intensity, highly accurate melting point or melting range temperatures are obtained. Simultaneous visual camera observation ensures trustworthy results.



### 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.



### International Standards

Full compliance with the relevant international and national standards and norms, such as Ph.Eur., USP, Ch.P., and JIS is ensured.



### MP70 Melting Point System

The MP70 is the ideal choice for melting point and melting range determinations. The many advantages available with this Excellence Melting Point System include:

- One Click™ melting point determination
- Enhanced export possibilities
- Color video recording
- Large results storage
- Customized user shortcuts

## MP70 Functionality Overview

<b>Applications</b>	Fully automatic melting point (MP) and melting range (MR) determination. Pharmacopeia and Thermodynamic measuring modes
<b>One Click™</b>	12 shortcuts per user
<b>Documentation</b>	USB-P25 compact printer, network printer USB memory stick and network connection for import/export and PDF storage
<b>User Identification</b>	30 different users, customized user rights/roles
<b>Methods and Results</b>	Pre-programmed method templates for automatic MP and MR detection. 20 methods, 6 reference substances Statistics: mean value, standard deviation, outlier result exclusion possible Maximum number of results: 50 Video storage and replay on instrument and PC (with intensity curves) 300 min total video run time/storage
<b>Calibration and Adjustmen</b>	Fully automatic optics adjustment (position and brightness) One-, two and three-point temperature adjustment, automatic calibration and calculation of adjustment parameters. VPac™ pre-filled, ready-to-use capillaries filled with certified reference substances for temperature calibration and adjustment (optional)
<b>Languages</b>	User interface in English, German, French, Spanish, Italian, Portuguese, Chinese, Russian, Japanese, Korean Printout in English, German, French
<b>Standard compliance</b>	www.mt.com/mpdp-norms

## MP70 Technical Specifications

<b>Temperatures</b>	Measurement range	Ambient – 350 °C
	Heating rate	0.1 – 20 °C/min
	Resolution	0.1 °C
	Heating time (50 to 300 °C)	4 min
	Cooling time (350 to 50 °C)	5.5 min
<b>Environment</b>	Ambient temperature	10 – 35 °C
	Atmospheric humidity	Max 80% at 31 °C
<b>Dimensions</b>	Width x depth x height	18 x 35 x 19 cm
	Weight	4 kg
	Capillaries	MP: 4 (< 1.8 mm o.d.)
<b>Terminal</b>	7" display with color touch screen	
	Video: color AVI, 9x magnification	
<b>Communication</b>	USB host (printer, memory stick, barcode reader, hub, keyboard, mouse): 3	
	Ethernet (Network and PC Software)	
	LabX® Express and Server	
<b>Accuracy Melting Point*</b>	Ambient – 200 °C	+/- 0.2 °C
	200 – 350 °C	+/- 0.5 °C

\* Subject to sample, environment and handling

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