One Click™ Melting Point
Strong Performance

One Click™ User Interface
The large color display and touch screen with the intuitive One Click™ 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
- Enhanced export possibilities
- Color video recording
- Large results storage
- Customized user shortcuts

METTLER TOLEDO

MP70 Functionality Overview

Applications	Fully automatic melting point (MP) and melting range (MR) determination. Pharmacopeia and Thermodynamic measuring modes
One Click™	12 shortcuts per user
Documentation	USB-P25 compact printer, network printer
	USB memory stick and network connection for import/export and PDF storage
User Identification	30 different users, customized user rights/roles
Methods and Results	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 video run time
Calibration and Adjustmen	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)
Languages	User interface in English, German, French, Spanish, Portuguese, Chinese, Russian, Japanese. Printout in English, German, French
Standard compliance	www.mt.com/mpdp-norms

MP70 Technical Specifications

Temperatures	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
Environment	Ambient temperature	10 – 35 °C
	Atmospheric humidity	Max 80% at 31 °C
Dimensions	Width x depth x height / weight	18 x 35 x 19 cm / 4 kg
	Capillaries	MP: 4 (< 1.8 mm o.d.)
Terminal	5.7'' VGA color touch screen	
	Video: color AVI, 6x magnification	
Communication	USB host (printer, memory stick, barcode reader, hub, keyboard, mouse): 3	
	Ethernet (Network and PC Software)	
	LabX® Express and Server	
Accuracy Melting Point*	Ambient – 200 °C	+/– 0.2 °C
	200 – 350 °C	+/– 0.5 °C

* Subject to sample, environment and handling

www.mt.com/MPDP

Visit for more information