

## One Click™ Melting Point Simply to the Point



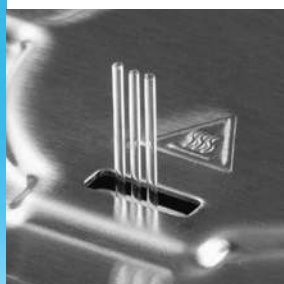
### Reliable Results

No need for continuous visual observation. The automatic detection of transmission intensity and digital image analysis replaces time-consuming and error-prone manual measurement.



### 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.



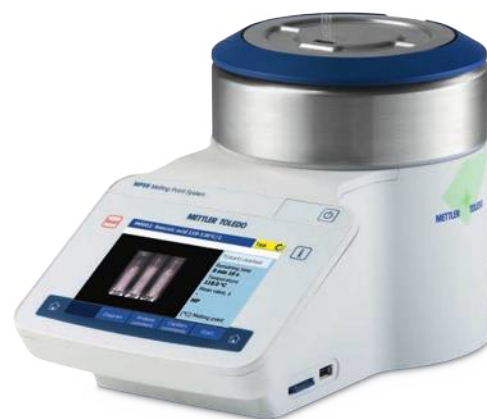
### Maximum Efficiency

Simultaneous measurement of up to 3 samples for melting point/melting range, or up to 2 for slip melting point saves valuable time and effort. Short heating and cooling times allow more analyses to be performed in a shorter period of time.



### Video Recorded

Visual data is stored for unattended measurements. The high resolution videos can be conveniently replayed on the instrument at any time, allowing measurement integrity to be verified.



### MP55 Melting Point System

Everything needed for the simple and automatic determination of melting and slip melting points. The MP55 is the ideal starter model and offers far more than can be expected from a standard melting point device:

- One Click™ melting and slip melting point
- Simultaneous determination of up to 3 melting point/melting range or 2 slip melting point samples
- VGA color touch screen
- Video recording
- Compact printer

## MP55 Functionality Overview

<b>Applications</b>	Fully automatic melting point (MP), melting range (MR) and slip melting point (SMP) determination. Pharmacopeia measurement mode
<b>One Click™</b>	12 shortcuts
<b>Documentation</b>	USB-P25 compact printer
<b>User Identification</b>	30 different users with full functionality access
<b>Methods and Results</b>	Template for automatic MP, MR and SMP detection
	Statistics: mean value, standard deviation, difference, outlier result exclusion possible
	Maximum number of results: 10
	Video storage and replay on instrument (with intensity curves)
	60 min video run time, stored on instrument
<b>Calibration and Adjustment</b>	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)
<b>Languages</b>	User interface in English, German, French, Spanish, Portuguese, Chinese, Russian, Japanese. Printout in English, German, French
<b>Standard compliance</b>	www.mt.com/mpdp-norms

## MP55 Technical Specifications

<b>Temperatures</b>	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
<b>Environment</b>	Ambient temperature	10 – 35 °C
	Atmospheric humidity	Max 80% at 31 °C
<b>Dimensions</b>	Width x depth x height / weight	18 x 35 x 19 cm / 4 kg
	Capillaries	MP: 3 (< 1.8 mm o.d.) SMP: 2
<b>Terminal</b>	5.7" VGA color display with touch screen	
	Video: color AVI, 6x magnification	
<b>Communication</b>	USB host (printer, memory stick, barcode reader, hub, keyboard, mouse): 3	
<b>Accuracy Melting Point*</b>	Ambient – 200 °C	+/- 0.2 °C
	200 – 300 °C	+/- 0.5 °C
<b>Repeatability Slip Melting Point*</b>		+/- 0.2 °C

\* Subject to sample, environment and handling

### Mettler-Toledo GmbH, Analytical

CH-8603 Schwerzenbach,  
Switzerland  
Tel. +41 44 806 77 11  
Fax +41 44 806 72 40

[www.mt.com/MPDP](http://www.mt.com/MPDP)

Visit for more information

Subject to technical changes  
© 10/2016 Mettler-Toledo GmbH, 30353648  
Global Marcom 1952 PH