



# Melting Point M-560

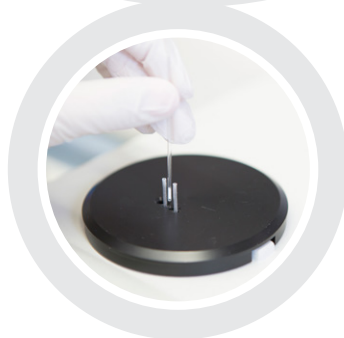
## Easy and fast determination

The Melting Point M-560 is designed for manual determination of melting and boiling points. The easy observation of the phase transition through a magnifying lens together with the intuitive calibration and verification procedures ensure highly accurate measurements.

**Easy**  
Intuitive handling



**Accurate**  
Optimal design without compromise



**Fast**  
Up to three determinations  
at a time

## M-560: Your most important benefits



### Easy

- Intuitive and multiple language user interface
- Easy observation of the melting process through a magnifying lens
- Easy and reproducible packing of the capillaries using BUCHI Sample Loader
- Convenient storage of capillaries



### Accurate

- Highly accurate temperature setting and measurement
- Keep your instrument accurate using the menu-guided calibration
- Easy verification of the calibration using certified standard compounds



### Fast

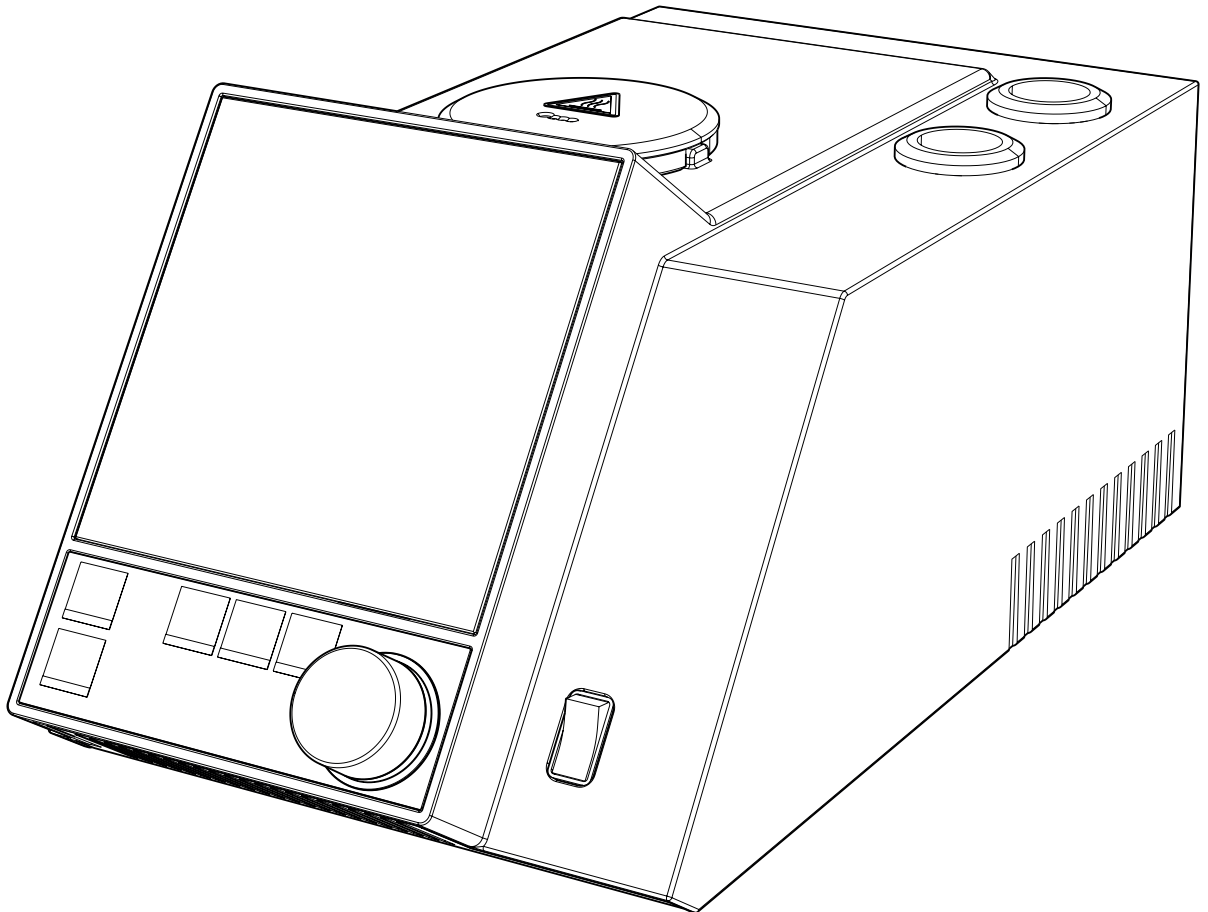
- Shortened measurement cycles thanks to fast heat up and cool down steps
- First quick estimation possible using a temperature gradient up to 20°C/min
- Parallel measurement of up to 3 samples



## Melting Point M-560

### Technical data sheet

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## Scope of delivery

Components	Qty
Calibration set M-560/M-565	1
Melting point tubes	100
Boiling point tubes	10
Boiling capillary	10
Sample holder	1
Cleaning tool	1
Operation manual	1

## Order code

0 5 1 9 9 9

Melting Point M-560

## Technical data

### Melting Point M-560

Dimensions (W x D x H)	190 x 370 x 200 mm
Weight	4.5 kg
Positions for melting capillaries	3
Positions for boiling capillaries	1
Display	Color, TFT, 320 x 240, 3.5"
Precision magnifying lens	1
Magnification of lens	2.5 x
Determination temperature range Ambient	+ 10 °C to 400 °C
Temperature resolution	0.1 °C
Repeatability of melting point at 0.5 °C/min	± 0.1 °C
Accuracy of the oven temperature at 0.5 °C/min	± 0.2 °C
Accuracy of boiling point at 1.0 °C/min	up to 400 °C ± 0.5 °C
Temperature gradients	°C/min 0.1, 0.2, 0.5, 1, 1.5, 2, 2.5, 3, 5, 10, 20
Cool-down time (350 °C – 50 °C) at 25 °C	~ 13 min
Heat-up time (50 °C – 350 °C) at 25 °C	~ 4 min
Connection voltage	100 - 240 ± 10 % VAC
Power consumption	150 W
Frequency	50 / 60 Hz
Storable methods for boiling point	50
Storable methods for melting point	50
Compliant with Pharmacopeia methods	PH. EUR., USP and JP
Languages	en / de / fr / it / es / ja / cn

IP Code	IP20
Overvoltage category	II
Pollution degree	2

## Sample Loader M-569

Dimensions (W x D x H)	86 x 130 x 70 mm
Weight	0.5 kg

## Description of function

The Melting Point M-560 is an instrument for manual (visual) determination of melting point, melting range, and boiling point at ambient temperatures +10 °C up to 400 °C. The melting point of three samples can be determined at the same time. The boiling point can be determined for one sample. Samples are observed through the lens.

### Melting point

The melting point capillary sits in a hollow of the metal block, which is electrically heated and controlled by a temperature sensor. The heating block is capable of being maintained accurately at a pre-defined temperature by the heating element, and of being heated at a defined rate. The melting point is determined manually.

### Boiling point

The boiling point is determined by the "Siwoloboff" method. The Melting Point M-560 can be used to determine the boiling point of a small amount of liquid. The heating block has one insert available for boiling point tubes (outside left). The boiling point is determined visually.

## Accessories

	Order no.
Sample Loader M-569	051997
Verification Kit M-560/M-565	11055019
Calibration Kit M-560/M-565	11055018
Agate mortar and pestle	041867
Compact keyboard German (CH)	029509
Compact keyboard English (USA)	029508
Serial printer (SP712)	11069766
Ribbon for printer (SP512)	044306
Ribbon for printer (SP712 )	11069767
Paper roll for printer	038684
Sample holder	11055014
Melting point capillaries, 1000 units	001759
Melting point capillaries, 100 units	017808
Boiling point tubes, 10 pcs.	019697
Boiling point capillaries 10 pcs.	051850
Boiling point tubes, 100 pcs.	019007
Boiling point capillaries 100 pcs.	051890
Cleaning tool	051978
User management license	11066387



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The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

**[www.wolflabs.co.uk](http://www.wolflabs.co.uk)**

**Tel : 01759 301142**

**Fax : 01759 301143**

**[sales@wolflabs.co.uk](mailto:sales@wolflabs.co.uk)**

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