

# Digital Melting Point Apparatus



## MPS10 Series



MPS10-120, shown smaller than actual size.

- ✓ Digital Selection and Display of Temperature
- ✓ High Accuracy
- ✓ Easy to Operate with Plateau Facility
- ✓ Ideal for Educational Use

The MPS10 has been designed with both safety and ease of operation in mind, making it ideal for use in education. The temperature is selected, measured and displayed digitally making it accurate and negating the need for a thermometer. The MPS10 displays temperature to 1 degree resolution. Two samples can be tested simultaneously. They are viewed via a magnifying lens with clear observation aided by built-in illumination. Adjustable back feet allow the unit to be operated at the optimum viewing angle. Full access to the block aids cleaning. The simple to follow instructions are printed directly on the instrument. To operate simply select a plateau temperature via the digital display and press "start". The unit quickly heats up and remains at the selected plateau temperature until the user is ready to start the test. Insert the sample tubes and press "start". The unit then heats at a

fixed rate of 2°C per minute for the MPS10. When the sample is seen to melt, note the temperature on the display. Press "stop" to end heating and cool the block.

### Melting Point Tubes

Made from soda glass, these tubes are easy to seal in a Bunsen flame and cleanly break in two. Supplied in a robust tube holder, pack of 100 tubes. Tube overall length is 100 mm tube diameter = 1.9 mm (0.07"), inner diameter = 1.3 mm (0.05") and wall thickness = 0.3 mm (0.01").

### Specifications

- Number of Samples:** 2
- Temperature Range:** Ambient to 300°C (572°F)
- Temperature Accuracy:** ±1.0°C @ 20°C (68°F), ±2.5°C @ 300°C (572°F)
- Display:** 3-digit LED (no display hold)
- Display Resolution:** 1°C
- Ramp Rates:** 20°C (68°F) per minute to plateau, 2°C (3.6°F) per minute to melt
- Dimensions:** 160 W x 220 D x 170 mm H (6.4 x 8.7 x 6.8")
- Weight:** 1.8 kg (4 lb)
- Electrical Supply:** 120/240V, 50/60 Hz, 75 W

**To Order Visit [omega.com/mps10](http://omega.com/mps10) for Pricing and Details**

Model No.	Description
MPS10-120	Melting point apparatus, 1°C resolution, with pack of 100 melting point tubes, closed at one end, 120V
MPS10-240	Melting point apparatus, 1°C resolution, with pack of 100 melting point tubes, closed at one end, 240V
MPS10-TUBES	Spare glass melting point tubes, closed at one end, pack of 100
MPS40-TUBESSEALED	Glass melting point tubes, closed at both ends, pack of 100
MPS11-TUBESOPEN	Glass melting point tubes, open at both ends, pack of 100

*Comes complete with operator's manual, 100 melting point tubes, NIST certificate, and power cord.*

*Ordering Example: MPS10-120, melting point apparatus, closed at one end, 120 Vac.*