

# Advanced Melting Point Apparatus



## MPS30 Series



MPS30 shown smaller than actual size.

- ✓ **Maximum Temperature**  
400°C (752°F)
- ✓ **Head Up Display**
- ✓ **Integrated Cooling**  
350 to 50°C (662 to 122°F)  
in 12 Minutes
- ✓ **Large Easy-to-Read User Friendly Interface**

The MPS30 can take 3 samples simultaneously within the optimized heating block with a maximum temperature of 400°C (752°F). A plateau facility is included with variable ramp rate between 0.5 and 10°C (1 to 18°F) in 0.1°C (0.2°F) increments. The tubes are illuminated with bright white LED's to give the clearest view of the samples during the melt. The block has been designed for easy access for cleaning, the front of the head is fully removable to allow full access to the micro furnace.

The MPS30 has a large clear back lit alphanumeric LCD display, running the menu system which clearly guides you through the melting process with comprehensive directions. It is possible to record up to 8 events in memory for each of the three sample tubes.

The MPS30 features the head up display, this unique feature displays a floating image of the block temperature, visible through the eyepiece, in front of the tubes. The head up display eliminates the need for the user to keep switching their gaze between the tubes and the temperature display.

To allow the most comfortable viewing angle the MPS30 features a 2-stage head adjustment. The head can then be stored safely back within the body of the unit for storage. The design of the unit has lots of other useful features such

as slots for storing pre-prepared samples and a storage draw to hold a container of capillary tubes.

An accessory printer is available separately to produce a written record of the melt, and all units are supplied with a NIST calibration certificate showing individual serial numbers for traceability.

### Specifications

**Number of Samples:** 3

**Temperature Range:** Ambient to 400°C (752°F)

**Temperature Resolution:** 0.1°C

**Temperature Accuracy:**

±0.5°C @ 50°C (±0.9°F @ 122°F);

±1°C @ 100°C (±1.8°F @ 212°F);

±2.5°C @ 360°C (±4.5°F @ 680°F)

**Display:** 40 x 4 LCD

**Ramp Rates:** 0.5 to 10°C (1 to 18°F) in 0.1°C (0.2°F) increments

### Temperature Sensor:

Pt1000 platinum resistance

**Memory:** 8 results per tube

**Date/Time Display:** Yes

**Cool Down Time:** 350 to 50°C (662 to 122°F), 12 mins

**Heat Up Time:** 50 to 350°C (122 to 662°F), 6 minutes

**Electrical Supply:** 120/230V, 50 to 60 Hz

**Language Variants:** English, German, French, Italian

**Temperature Units:** °C

**Dimensions:**

325 W x 200 D x 170 mm H (12.8 x 7.9 x 6.7")

**Net Weight:** 3.6 kg (127 oz)

**IP Rating:** 30

**To Order Visit [omega.com/mps30](http://omega.com/mps30) for Pricing and Details**

Model No.	Description
MPS30	Melting point apparatus with pack of 100 melting point tubes, sealed at one end
MPS10-TUBES	Spare glass melting point tubes, sealed at one end, pack of 100
MPS30-PRINTER	Printer with power supply

Comes complete with 100 melting point tubes, NIST calibration certificate, UK, European and USA power cords, and operator's manual.

**Ordering Example:** MPS30, melting point apparatus, sealed at one end.