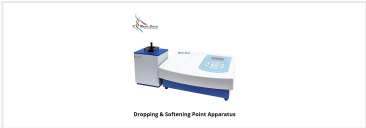
Dropping Point Apparatus - Softening Point Tester - RT-300°C - 0.2-5.0°C/min Heating

Model **MSMTP-DP1SWISS** | Brand **Master Science**





The Master Science Dropping Point Apparatus determines the dropping point and softening point of amorphous and highly polymerised materials using photoelectric detection and a programmed heating ramp. The method follows the principle of ASTM D3461.

KEY HIGHLIGHTS

- Objective endpoints
- Method flexibility
- One instrument for many materials
- Stable heating
- Clear readout

AT A GLANCE

Ambient to 300 °C	±0.5 °C up to 200 °C; ±1 °C above 200 °C
TEMPERATURE RANGE	FURNACE ACCURACY

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

Scan to view online

Overview

It is widely used for quality testing of tar, asphalt, paraffin, resins, rosin, fats, lubricants, petroleum jelly, pharmaceutical ointments, suppositories and edible greases.

Overview

- Programmed linear ramps 0.2 to 5.0 °C/min
- Furnace accuracy ±0.5 °C to 200 °C

Key Benefits

Objective endpoints
photoelectric detection records the exact drop or softening temperature.

Method flexibility
eight heating rates and interchangeable cups suit dropping and softening tests.

One instrument for many materials
the Master Science Dropping Point Apparatus covers asphalt, waxes, resins, greases and ointments.

Stable heating
programmed temperature control gives repeatable ramps.

Clear readout
LCD display with 0.1 °C resolution.

For crystalline melting points, see the Master Science digital melting point apparatus.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSMTP-DP1SWISS
SKU	MSMTP-DP1SWISS
Temperature Range	**Ambient to 300 °C**
Heating Rates	0.2, 0.5, 1.0, 1.5, 2.0, 3.0, 4.0, 5.0 °C/min
Furnace Accuracy	**±0.5 °C up to 200 °C; ±1 °C above 200 °C**
Detection	Photoelectric, automatic
Sample Cup	ID 9.9 mm, bottom radius 4.6 ±0.1 mm
Orifice Sizes	2.80 mm (dropping point); 6.35 mm (softening point); 5.00 mm (optional)
Balls	Lead ball 3 mm, 3.2 ±0.1 g (ASTM); steel ball options

DISPLAY & DATA	
Display Resolution	0.1 °C
Display	LCD

DIMENSIONS & WEIGHT	
Package Size	740 × 390 × 300 mm
Gross Weight	12.6 kg

COMMON LABORATORY PROBLEMS AND HOW THIS APPARATUS HELPS	
Common Laboratory Problems and How This Apparatus Helps	How the Master Science Dropping Point Apparatus improves softening point testing:
Visual ring-and-ball readings vary	photoelectric detection is objective.
Uneven heating	programmed ramps keep conditions repeatable.
Different equipment for each test	one unit performs dropping and softening tests.
Slow manual observation	automatic detection frees the operator.
Record keeping	digital display shows precise values.

Applications

The Master Science Dropping Point Apparatus is used for
Asphalt and bitumen softening point Paraffin wax and petroleum jelly Resins and rosin Lubricating greases Ointments, suppositories and edible fats

Measurement

- Dropping point and softening point
- Photoelectric automatic detection
- Ambient to 300 °C

Accessories

- Cups with 2.80, 6.35 and 5.00 mm orifices
- Lead or steel balls