

Capillary Melting Point Apparatus

T-MEL-001 measures the melting point of crystalline materials using capillary samples, a liquid heat-transfer bath and programmed heating. The operator observes melting and records onset and completion temperatures.



Key features

- Five selectable linear heating rates
- Temperature preset retained between operating sessions
- Live temperature display and manual onset/end recording keys
- Audible notification after the preset-temperature stabilization delay

Technical Information

Measurement range	ambient-270 °C
Preset temperature	ambient-250 °C
Heating rates	0.5 / 1.0 / 1.5 / 2.0 / 3.0 °C/min
Heating-rate deviation	<5%
Accuracy below 200 °C	≤±0.5 °C
Accuracy above 200 °C	≤±1.0 °C
Heat-transfer liquid	Methyl silicone oil
Bath vessel	250 mL tall-form beaker
Operating environment	20±10 °C
Power supply	220 V±10%; 50 Hz
Power consumption	<200 W

Standard Configuration

The documented arrangement uses a 250 mL tall-form beaker and methyl silicone oil as the heat-transfer medium. Confirm the supplied beaker, oil quantity, capillaries and complete packing list in the quotation.

Optional Accessories

No separate optional-accessory list is documented. Request compatible replacement capillaries and bath components as required; confirm availability before ordering.

Selection / Ordering Information

Specify the expected melting-temperature range, sample type, applicable test method and electrical supply. The accuracy at exactly 200 °C is not defined in the available specification. Confirm this boundary when relevant. Observation and recording are manual; automatic optical detection is not established.