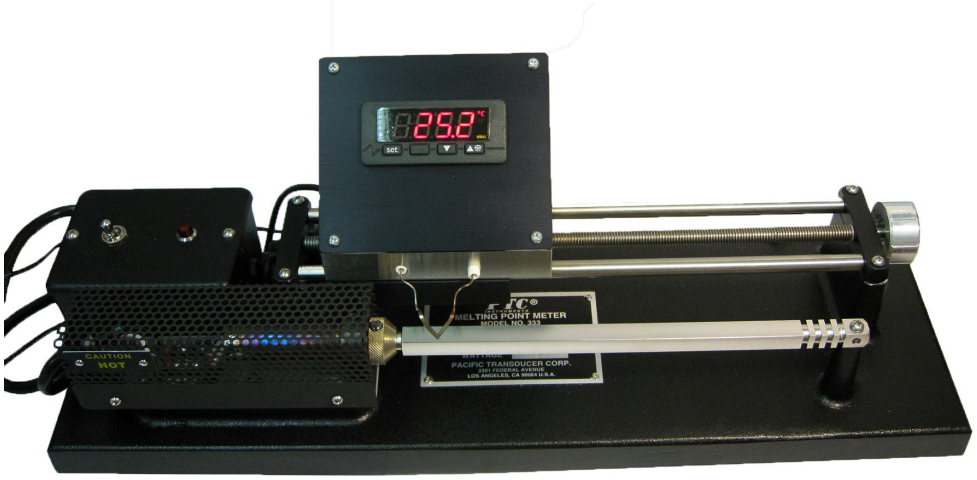
Digital Melting Point Meter

110V or 220V



SPECIFICATIONS

Model 333	110V 50-60 Hz
Model 334	220V 50-60 Hz
Height	7.75 in. (20 cm)
Width	6 in. (15 cm)
Length	19.75 in. (50 cm)
Weight	10 lb 2 oz. (14.1 kg)
Shipping Weight	14 lb. (6.4 kg)

- **Easy to read LCD digital display**
- **Fahrenheit or Celsius display**
- **Range: -40°F to 1450°F or –100°C to 800°C**
- **LED Accuracy of ±1% of full scale range**
- **Power: 110V AC 50-60Hz or 220V AC (50-60Hz)**
- **Portable unit -- weighs only 10 lb.**
- **Type J Thermocouple**

The Digital Melting Point Meter measures the melting point of substances. They can be used for testing the melting points of plastics, waxes, resins, inks, gums, fats, tars, low melting alloys, organic and inorganic compounds,
etc. They feature a digital LCD that is factory-set to °F or °C for fast and easy readings. The Models 333 & 334 both operate over a range of 120°F to 500°F (50°C to 260°C).
The instrument is portable and can be used on any workbench or desk. The units work on standard 110V AC 50-60Hz (Model 333) or 220V AC 50-60Hz (Model 334). A warning light next to the on/off switch cautions the user that the heating element is turned on. The stainless steel platen heats to a 400°F temperature gradient across its
length. The LCD digital display is powered by a standard 12-Volt transformer.

OPERATING INSTRUCTIONS

Plug both the heating element cord and meter transformer into standard 110V (Model 333) or 220V (Model 334) outlet. The platen takes approximately 20 to 30 minutes to fully come up to temperature. The test method is fast and only a small quantity (a few milligrams) of the sample material is required. Place a small amount of the substance along the upper surface of the platen. The demarcation line between the molten and solid particles of the sample will be quickly seen. Place the thermocouple junction at the demarcation point on the platen and read the temperature on the meter. For the most accurate results, place a small amount of the sample directly on the thermocouple tip and move the thermocouple from right to left along the platen until the sample just melts. The temperature reading at this point is the most accurate.
The thermocouple and meter assembly can be disengaged from the platen by tipping back the meter assembly. This allows the meter to slide easily along the back bar for rapid positioning of the thermocouple junction. Once positioned, fine adjustments are made by turning the knob attached to the threaded feed bar. Any of the four sides of the platen can be used as the test side.

LIMITED LIABILITY WARRANTY

PTC® products are covered by a limited liability warranty from defects in material and workmanship for one year from date of purchase.
This warranty does not apply if, in the judgement of PTC®, the product fails due to damage from shipment, handling, storage, accident, abuse or misuse, or if it has been used or maintained in a manner not conforming to product's instructions, has been modified in any way, or has a defaced or removed serial number. Repair by anyone other than PTC® or an approved agent voids this warranty. The maximum liability of PTC® is the product purchase price.