



<b>Product Name</b>	<b>GAOTek Digital Microscope Melting Point Tester</b>
<b>Product SKU</b>	<b>GAOTek-CMPT-108</b>
<b>Product URL</b>	<a href="https://gaotek.com/product/gaotek-chemical-melting-point-tester/">https://gaotek.com/product/gaotek-chemical-melting-point-tester/</a>

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Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



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## GAOTek Digital Microscope Melting Point Tester

### Introduction

Melting point tester adopts a capillary tube as a sample tube and liquid temperature transfer mode prescribed in Pharmacopoeia; it can be widely used in the production and scientific research of pharmaceutical, chemical reagents, spices, dye, and other industries to measure the melting points of organic crystalline substances.



### Technical indexes:

- Melting point test range : from room temperature to 270°C
- Heating rate : four levels: 0.5°C/min; 1°C/min; 1.5°C/min; 3 . 0°C/min

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- Deviation of linear heating rate : < 5%
- Temperature transfer medium : methyl silicone oil
- Liquid cup for temperature transfer : 250ml beaker in tall form
- Melting point test precision : less than 200°C not more than  $\pm 0.5^{\circ}\text{C}$ ; more than 200°C not more than  $\pm 1.0^{\circ}\text{C}$
- Indicating value resolution : 0.1 °C
- Operational environment temperature : 18°C-28°C
- Interface : Standard serial printing interface, with its micro-printer.
- Power supply : AC220V $\pm 10\%$ ; frequency:50Hz; power: 200W
- Overall dimensions : L\*W\*H 200mm\*320mm\*305mm
- Working condition: reset state, temperature control state and start test state; full-automatic frequency converting control technology has high-temperature control precision and small linear error of heating rate.

The preset value recorded this time is saved after shutdown and the preset temperature upon starting next time is the preset value this time.

After the preset temperature is reached, delay about 1min to make the liquid in the stable temperature state, which is prompted by buzzer.

When the sample melts, the values of the initial melting point and final melting point can be recorded by using initial melting and final melting keys.



### Main features:

1. High-precision temperature sensor measures the temperature and can correct non-linear errors automatically.
2. Full-automatic frequency converting control technology has high-temperature control precision and small linear error of heating rate.
3. Automatic magnetic stirring system, oil bath temperature is uniform.
4. Automation: automatic measurement, automatic diagnosis, and automatic alarm.
5. Equipped with a new type of front paper change thermosensitive miniprinter which is convenient for recording and saving experimental data.

