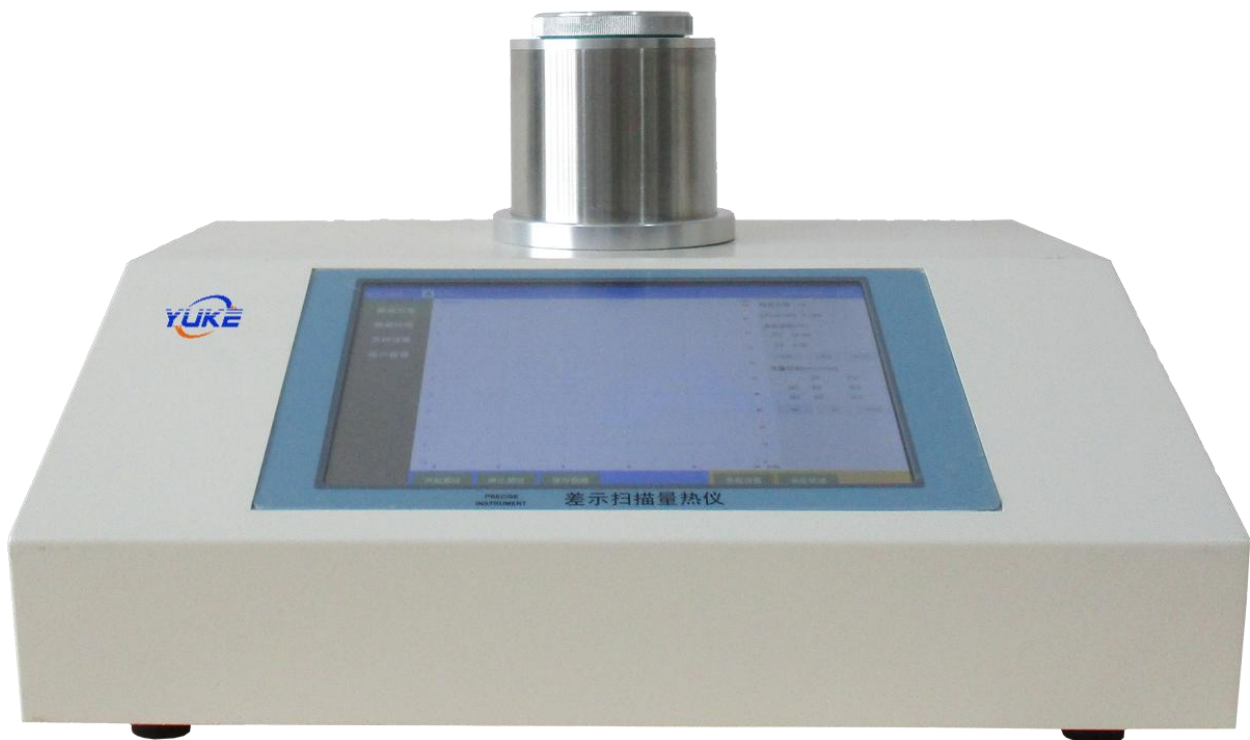


RDY-500A DSC Melting Point Meter



RDY-500 Overview:

RDY-500A fully automatic differential thermal melting point instrument uses differential thermal method to directly measure sample temperature, perfectly combined with high-precision temperature control technology, to provide users with accurate, stable and reliable test results. Automatic detection of real-time graph display, convenient for users to accurately measure the melting point and melting distance of samples, can be connected to a printer to print melting point test reports. Especially suitable for melting point tests of materials such as plastic particles. Complies with ISO11357, GB/T19466 and ASTM D3417 standards.

Technical features:

1. Built-in 10.1-inch industrial-grade microcomputer, records temperature and differential thermal curve, automatically calculates initial melting and final melting temperatures.
2. Industrial-grade wide-screen touch structure, rich display information, including set temperature, sample temperature differential thermal signal, various switch states.



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3. The furnace body has a compact structure, and the heating and cooling rate can be adjusted arbitrarily.
4. The installation process has been improved, and all mechanical fixing methods are used to completely avoid the contamination of differential thermal signals by colloids inside the furnace body.
5. Dual temperature probes ensure high repeatability of sample temperature measurement.
6. Standard standard samples are provided to facilitate customers to calibrate temperature coefficients.
7. Printer can be connected to print melting point reports, and USB flash drive is supported to export test spectra.
8. No requirements for sample transmittance.
9. PC software is provided, and the instrument can be connected to the computer via the serial port.
10. The program automatically matches the corresponding correction temperature coefficient according to different heating rates.
11. Three-level accounts can be set, with traceability records and search functions.

Technical parameters:

1. DSC range: $0 \sim \pm 250\text{mW}$ / $0 \sim \pm 500\text{mW}$
3. Heating rate: $0.1 \sim 80^\circ\text{C}/\text{min}$
4. Temperature resolution: 0.01°C
5. Temperature accuracy: $\pm 0.1^\circ\text{C}$
6. Temperature repeatability: $\pm 0.1^\circ\text{C}$
7. Temperature control mode: heating, constant temperature (full program automatic control)
8. Curve scanning: heating scanning
9. Atmosphere control: automatic switching of two gases (optional)
10. Display mode: 24bit color, 10.1-inch LED touch screen display
11. Data interface: USB standard interface, RS232
12. Parameter standard: equipped with standard materials indium and tin, with one-key automatic calibration function



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