



METAL BATH POUR AND CLOUD POINT TESTER

Metal Bath Pour and Cloud Point Tester TT-97J

Metal Bath Pour and Cloud Point Tester TT-97J is designed to meet the standards of ASTM D97 Standard Test Method for Pour Point of Petroleum Products and ASTM D2500 Standard Test Method for Cloud Point of Petroleum Products. It is used to determine the pour point and cloud point of petroleum products.

APPLICATIONS

The primary application of the Metal Bath Pour and Cloud Point Tester TT-97J is to determine the low-temperature characteristics of petroleum products, in compliance with ASTM D97 (Pour Point) and ASTM D2500 (Cloud Point). The instrument measures:

- **Cloud Point:** The temperature at which wax crystals first become visible as a fuel cools.
- **Pour Point:** The lowest temperature at which the oil will still flow.

These are critical quality control tests to ensure fuels and lubricants will perform reliably in cold weather environments.

Key Industries

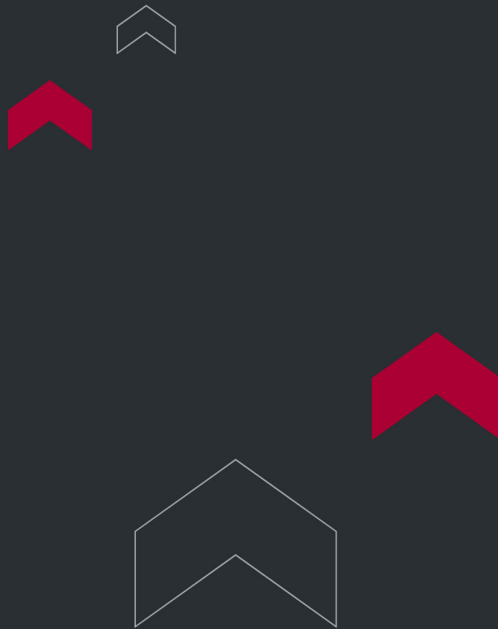
- **Petroleum Refining:** Refineries use this tester for essential quality control to ensure that fuels like diesel, heating oil, and jet fuel meet specifications for different climates and seasons, preventing issues like fuel line clogging.
- **Automotive and Heavy Equipment:** This testing is critical for diesel and aviation fuels where low-temperature performance is a matter of safety and operational reliability. Gelled fuel can cause engine failure in vehicles, aircraft, and heavy machinery.
- **Lubricant Manufacturing:** For producers of lubricating oils (e.g., engine oils, hydraulic fluids), the pour point is a key specification on product data sheets, guaranteeing the oil will remain fluid enough to circulate and protect equipment during cold starts.

FEATURES

- Digital display with PID temperature control.
- Features dedicated cooling technology for fast cooling speed and high efficiency.
- Benchtop design with easy operation mode.
- Utilizes metal bath cooling, eliminating the need for a liquid medium.

TECHNICAL SPECIFICATIONS

1. Rated voltage: AC220V $\pm$ 10%, 50Hz.(110V also available)
2. Bath: Equipped with double test stations featuring different temperature settings.
3. Temperature range: -70°C to ambient.
4. Temperature accuracy: $\pm$ 0.2°C.
5. Cooling system: Utilizes Danfoss compound compressor cooling.
6. Ambient temperature requirement: $\leq$ 30°C.
7. Relative humidity requirement: $\leq$ 85%.
8. Total power consumption: $\leq$ 1500W.



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