

HF-TC-640

Cold Filter Plugging Point Tester



This Cold Filter Plugging Point Tester automatically determines the cold filter plugging point of diesel fuels. It evaluates low-temperature fluidity of petroleum products, features stable refrigeration system and simple operation, widely adopted for fuel quality inspection in laboratories.

Key features

- Equipped with imported compressor refrigeration system to achieve required refrigeration depth.
- Built-in vacuum pump and precision electronic pressure balancing system ensure automatic suction pressure stabilization at the set value.
- Automatically controls temperature difference between cooling medium and sample to achieve controllable, uniform and stable cooling rate.
- Built-in precision micro timer guarantees accurate test judgment results.

Technical specifications

Parameter	Value
Temperature Range	-70 ~ 50°C
Temperature Resolution	0.1°C
Pressure Range	0 ~ 2 kPa (200 mmH ₂ O)
Pressure Resolution	1 mm
Cooling Bath Structure	Single tank with dual baths, constant temperature for both baths
Temperature Sensor	PT100 (JUMO, Germany)
Refrigeration Type	Compressor refrigeration (Danfoss, France)
Timing Accuracy	60s scale with 1s resolution
Ambient Temperature	5°C ~ 40°C
Relative Humidity	≤85%
Power Supply	AC220V±10%, 50Hz
Power Consumption	≤900W
Overall Dimensions Main unit Suction filter assembly	600mm×450mm×450mm 250mm×150mm×380mm
Instrument Weight Main unit Suction filter assembly	50kg 5kg

Compliance and documents

Applicable standards	[TO BE CONFIRMED] standard applied to this model
Calibration certificate	[TO BE CONFIRMED]
Optional accessories	[TO BE CONFIRMED]

Warranty and support

12-month warranty on every exported instrument. English operation manual and remote video guidance at commissioning. T/T, L/C at sight and deposit terms for bulk orders; sea, air or rail shipping.