

## YK-A2381

### Engine oil apparent viscosity tester



A2381 Engine oil apparent viscosity tester is suitable for testing the low temperature dynamic viscosity index of engine oil. The apparent viscosity of the oil can be determined at temperatures ranging from  $-35^{\circ}\text{C}$  to  $-5^{\circ}\text{C}$  with an interval of  $5^{\circ}\text{C}$ . It is suitable for measuring the apparent viscosity of engine oil at  $-5 \sim -35^{\circ}\text{C}$  under the condition that the shear stress is about  $1000 \sim 27000 \text{ mPa}\cdot\text{s}$  and the shear rate is  $105 \sim 104 \text{ s}^{-1}$ . Used in power, petroleum, chemical, environmental protection and scientific research departments.

#### Executive standard

GB/T 6538 、 ASTM D5293

#### Instrument characteristics

- 1, industrial touch screen, using embedded operating system, stable and reliable work.
- 2, operation interface language: optional Settings (Chinese).
- 3, Omron temperature controller, touch the button operation, convenient and fast.
- 4, rotary encoder automatically detects speed, fine tuning knob control current, reduce manual operation error.
- 5, compressor cascade refrigeration, large cooling capacity.
- 6, using motor drive, high precision.
- 7, can print experimental results, store 1000 sets of historical data, easy to query.
- 8, through the standard oil correction after the automatic calculation results.
- 9, improved rotor, low torque test state, high repeatability.
- 10, the test is automatically shut down, and heating up, in order to facilitate rapid cleaning.
- 11, the instrument automatically recommends the cooling temperature.
- 12, can edit, store all standard oil parameter values.
- 13, with accurate measurement, good repeatability, stable performance, simple operation and other advantages.
- 14, the use of automatic temperature control equipment, exquisite human-computer interaction interface, users can easily and quickly use the instrument for analysis.

#### Technical parameter



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- Temperature range: external circulation alcohol bath temperature control range from room temperature to  $-60^{\circ}\text{C}$
- Cold bath temperature control accuracy:  $\pm 0.1^{\circ}\text{C}$
- Stator temperature control accuracy:  $\pm 0.02^{\circ}\text{C}$
- Viscosity measurement range:  $1000 \sim 27000 \text{ mPa}\cdot\text{s}$
- Ambient temperature:  $5^{\circ}\text{C} \sim 40^{\circ}\text{C}$
- Relative humidity:  $\leq 85\%$
- Power:  $\leq 2500\text{W}$
- Working power supply:  $\text{AC}220\text{V} \pm 10\%$ ,  $50\text{Hz}$
- Overall dimensions:  $1100\text{mm} \times 450\text{mm} \times 420\text{mm}$
- Instrument weight:  $60\text{kg}$