



Cold Cranking Simulator Engine Oil Apparent Viscosity Tester

Introduction :

This CCS-2602 CCS Engine Oil Apparent Viscosity Tester complies with technical specifications such as GB/T6538-2010, ASTM D2602, ASTM D5293, to test the low temperature dynamic viscosity index of engine oil.

The instrument can determine the apparent viscosity of the oil at temperatures $-35^{\circ}\text{C} \sim -5^{\circ}\text{C}$ with temperature interval of 5°C . It has accurate measurement, good repeatability, stable performance and simple operation.

It is suitable for measuring the apparent viscosity of engine oil under shear stress of about $1200 \sim 27000 \text{ mPa.s}$; shear rate of $105 \sim 104 \text{ S}^{-1}$, and the apparent viscosity of $-5 \sim -35^{\circ}\text{C}$. Control equipment, beautiful human-computer interaction interface, so that users can use the instrument for analysis quickly and easily. At the same time, the latest intelligent control system is adopted to improve the stability and reliability of the instrument, make the temperature control more accurate and accurate, and the calculation accuracy is higher, which fills the blank of the domestic petroleum analytical instrument industry.

Features :

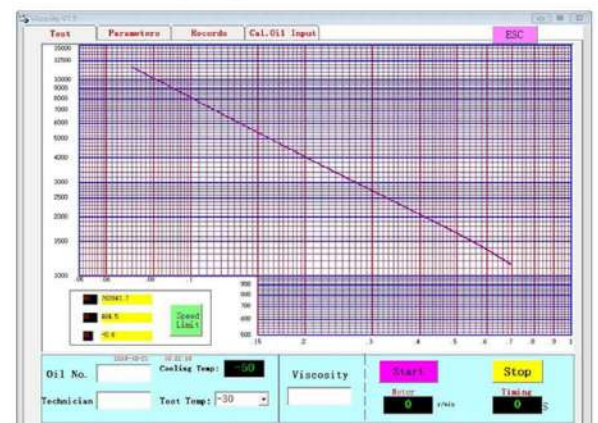
1. The imported Omron temperature controller, light touch button operation, convenient and fast;
2. Automatically detect rotation speed and fine-tune the knob to control current and reduce manual operation error;
3. Imported compressor cascade refrigeration, large cooling capacity;
4. Imported motor drive, high precision;
5. Can store and print experimental results;
6. Automatic calculation of results after calibration with standard oil
7. Adopting embedded operating system, work is stable and reliable;
8. Improved rotor, low torque test state, high repeatability;
9. Automatically stop at the end of the test and heat up to facilitate rapid cleaning;
10. The instrument automatically recommends the cooling temperature;
11. The rotary encoder detects the rotation speed;
12. Edit and store the parameter values of all standard oils;
13. Store 1000 sets of historical data for easy query; fault self-test.

Technical Parameters:

Temperature Range	Room temperature $\sim -70^{\circ}\text{C}$ (external circulation alcohol bath temperature range)
Cold Bath Temperature Control Accuracy	$\pm 0.1^{\circ}\text{C}$
Stator Temperature Control Accuracy	$\pm 0.05^{\circ}\text{C}$
Viscosity Measurement Range	$1200 \sim 27000 \text{ mPa.s}$;
Use Environment	$10^{\circ}\text{C} \sim 40^{\circ}\text{C}$
Environmental Humidity	$< 85\%$
Power	$< 2.5\text{KW}$
Power Source	AC $220\text{V} \pm 20\%$
Detection Temperature Point	$-35, -30, -25, -20, -15, -10, -5$ degrees Celsius



Curve Display



Note :
Due to keeping innovation,
the specification and
Machine pictures or color
are subject to alteration
without notice!