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YK-6538 CCS Automatic Engine Oils Apparent Viscosity Tester

Summary

The instrument is designed and manufactured according to the standards China GB/T 6538 *Determination of apparent viscosity of engine oils using the cold-cranking simulator (CCS method) and American ASTM D5293*. At the temperature range: -35°C ~ -5°C , the interval 5°C temperature condition, and the viscosity range: $1200\text{mPa}\cdot\text{s}$ ~ $27000\text{mPa}\cdot\text{s}$ to detect the apparent viscosity of the apparent oils.

I. Main technical characteristics

1. Compact structure, beautiful appearance, and easy operation.
2. Adopting the principle of fuzzy temperature control, the temperature control accuracy is high and the response speed is fast.
3. Using a personal computer as the main control system to facilitate user use.
4. The built-in printer can print out experimental results at any time for easy filing and archiving.
5. Automatic calculation of apparent viscosity of engine oil using curve fitting method.

II. Main technical parameters

1. Measuring range: $(-50\sim 100)^{\circ}\text{C}$
2. Measuring temp. accuracy: $\pm 0.5^{\circ}\text{C}$
3. Cooling range: -50°C ~ ambient
4. Temp. control accuracy: $\pm 0.05^{\circ}\text{C}$
5. Measurement range: $1200\text{mPa}\cdot\text{s}$ ~ $27000\text{mPa}\cdot\text{s}$
6. Power supply: AC $(220\pm 10\%)$ V, 50Hz
7. Heating power consumption: 800W
8. Total power consumption: 2000W
9. Environment temperature: $-40\sim 30^{\circ}\text{C}$
Relative humidity: no more than 80%
10. Maximum Dimension: main unit: $420\text{mm}\times 300\text{mm}\times 620\text{mm}$ (L*W*H)
Cold bath: $500\text{mm}\times 530\text{mm}\times 615\text{mm}$

