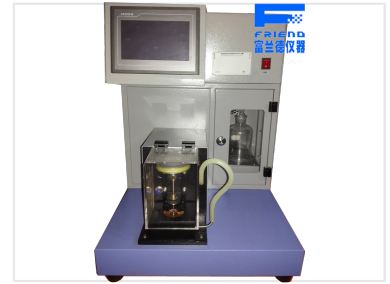


Automatic Engine Oil Cold Cranking Simulator

This instrument tests engine oil at low temperatures to determine the dynamic viscosity index. It integrates mechanical, optical, electronic, and computer technology for temperature measurement and control.



Overview

Automatic Engine Oil Cold Cranking Simulator

This automatic Cold Cranking Simulator (CCS) is designed to determine the apparent viscosity of engine oils at low temperatures and high shear rates, effectively simulating engine starting conditions. It features an intelligent operating system that automates heating, timing, calculation, and temperature control, ensuring high-precision results with minimal user intervention. The instrument incorporates advanced drive motor technology and automatic calibration systems to maintain stability and accuracy in laboratory environments.

Key Features

Automation Features

- Automatic diagnosis system with fault prompting
- Automatic calibration for speed, viscosity, and function curves
- One-key operation for heating, timing, and calculation
- Automated data saving and report printing

Technical Specifications

Performance Metrics

-35 °C

Minimum Temperature

220 V

Operating Voltage

50 Hz

Frequency

System Parameters

| Parameter | Specification |
|----------------------|-------------------------------------|
| Cooling Mode | Imported compressor refrigeration |
| Temperature Range | Room temperature to -35°C |
| Temperature Accuracy | ± 0.1 °C |
| Circulation Method | Imported low-temperature cycle pump |
| Display Type | LCD |
| Correction Method | Standard Oil Correction |

Compliance & Standards

Certifications

Automated Calibration, Laboratory Grade, High-Precision