



VISCOMETER PETROLEUM EQUIPMENT BPTL-103



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MINI ROTARY VISCOMETER

This Yield Stress and Apparent Viscosity Test Apparatus is suitable to measure borderline pumping temperature, yield stress at low temperature and apparent viscosity of engine oils. The temperature controlling range is $-5^{\circ}\text{C}\sim-40^{\circ}\text{C}$. All test procedures are automatically controlled by computer.



1. Temperature controlling range of low temperature yield stress tester: $-5^{\circ}\text{C}\sim-40^{\circ}\text{C}\pm 0.1^{\circ}\text{C}$.
2. Multipoint temperature correction, high temperature measuring accuracy.
3. Semi conductor refrigeration, fast and precise.
4. Computer monitors temperature, cycle and rotor motion.
5. This viscosity test apparatus has function of delay start, which is convenient for user to control the test process flexibly.
6. Upgraded pulley assembly improves its stability and sensibility, tested by photoelectric sensor.
7. 5 rotors can test simultaneously.
8. Rotor has thermal transparent perspex cover
9. Micro computer controller, Window operation system, English interface

SPECIFICATIONS

Model	BPTL-103
Applicable standard	ASTM D3829, ASTM D4684, GB/T9171
Refrigeration method	Imported air compressor
Temperature controlling method	Programmable temperature controlling
Heating method	Electric heating pipe
Detection method	Photoelectric tube
Working units	5
Power supply	AC220V, 50Hz
Total power	1200W
Working temperature	$-5^{\circ}\text{C}\sim-40^{\circ}\text{C}$
Dimension	Main unit $470\times 320\times 420\text{ mm}^3$; Low temperature bath $360\times 650\times 660\text{ mm}^3$
Weight	Main unit 20 kg; Low temperature bath 40 kg
Alt Name	Mini Rotary Viscometer

FEATURES

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9. Micro computer controller, Window operation system, English interface
10. Program automatically conducts nonlinear curve temperature control, and measure yield stress and apparent viscosity.
11. Temperature control curve can be made as per user's requirement.
12. This yield stress test instrument can calibrate and store viscometer constant.
13. Test result can be saved and printed.
14. This viscosity test apparatus can calculate and print out borderline pumping temperature of "gas resistant type" and "flow restricted type".
15. This engine oil yield stress test equipment is equipped with special low temperature constant equipment.

16.This engine oil apparent viscosity tester is equipped with new designed defrosting system.



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