

SPL324 VISCOMETER

IMMERSION VISCOMETER FOR VISCOSITIES FROM 1.0 TO 10,000 CENTIPOISE



The SPL324 portable viscometer is great for immersing in most fluids.

Operating Principle

The SPL324 is an immersion viscometer with an 18" stem that fits into a standard 1.2" opening. The viscometer may be inserted into stirred reaction vessels, small tanks or open containers.

Our technology is based on a simple and reliable electromagnetic concept. Two coils move a piston back and forth magnetically at a constant force. Proprietary circuitry analyzes the piston's two-way travel time to measure absolute viscosity.

A deflector, positioned over the piston, directs the fluid into the measurement chamber. Constant piston motion, keeps the sample fresh and mechanically scrubs the chamber. A built-in temperature detector (RTD) senses actual temperature in the measurement chamber.

Measurements can be made in any different 20:1 viscosity ranges within the overall span of 1.0 to 10,000 centipoise.

Key Features

- Miniature size
- Measures viscosity and temperature
- Direct immersion
- Fits into 1.2" or 45/50mm port
- Self-Cleaning

Specifications

Viscosity	1 to 10,000 centipoise (cP)
Piston Ranges	1-20cP, 2.5-50cP*, 5-100cP, 10-200cP, 25-500cP*, 50-1,000cP, 100-2,000cP, 250-5,000cP*, 500-10,000cP
Accuracy ¹	±1.5% of full scale (w/Little Dipper 1000)
Repeatability	± 1% of Reading
Temperature Sensor	Internal Platinum RTD
Wetted Materials	316L and 430 Stainless Steel
Maximum Particle Size	25-360 Microns (Range Dependent)
Max Ambient Temperature	375°F (190°C)
Max Operating Pressure	1,000 psi (70.3 bar)
Standard Cable Length	5 Feet (1.5 meters)
Power	100-240 VAC/50-60Hz or 9-36 Volt DC
Temperature Accuracy	± 0.2 degrees within 20 degrees of calibration points

(*) Ranges available with ViscoPro 2000 electronics

(1) +1.0% F.S. with ViscoPro 2000 electronics

Electronics

ViscoPro 2000



- With RS232
- 4-20mA output
- Multiple ranges
- Temperature-compensated viscosity
- Control
- Auto clean mode
- Up to 40 process fluid settings
- Data logging



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