

*SimpleVIS*TM

**A New Approach to
Simple Kinematic Viscosity Measurement**



CANNON
INSTRUMENT COMPANY

SIMPLE TO USE • QUICK RESULTS • RELIABLE DATA

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Quick and Reliable Automation

The CANNON SimpleVIS™ portable viscometer offers the industry an exciting new tool for quick and reliable kinematic viscosity measurement. The SimpleVIS provides exceptional temperature control which is paramount to accurate viscosity measurement of petroleum liquids. If your site needs near laboratory quality viscosity measurements, then the SimpleVIS is your instrument.*

**Industrial Lube Blending, Packaging & Distribution • Power Plants • General Industrial Lube Applications
Remote used oil/predictive maintenance • Plant level OEM factory fills • Mining Industry • Petroleum Terminals**

SimpleVIS™ Advantages:

True Kinematic Viscosity Measurement

- Near ASTM D445 precision* with temperature control +/- 0.05°C
- 40°C or 100°C user selectable

Very "Simple" to Operate

- Graphical touch screen
- No menus, no additional switches gauges or valves to adjust
- Factory Calibrated

Everything is included to get started minus your sample and solvent

Portable and Rugged

- Smallest Capillary Viscometer on the Market
- Solid Bath (no liquid to spill)
- Fully self-contained (no external PC)

Low Cost of Ownership

Minimal Consumable Expense

Optional Equipment

- Printer w/cable & Power Supply (P82.0067)
- Digital Thermometer w/probe (P82.0074)



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SimpleVIS

SimpleVIS™ Features:

- Direct Kinematic Viscosity Measurement, no need to Correlate Dynamic Viscosity Data
- Modified Cross-Arm Style Tube, works with Both Transparent & Opaque Oils
- Reliable: Only 2 Moving Internal Parts
- Easy to Use: Graphical Touch Screen
- Small Sample Volume: 0.5 mL
- Rapid Cycle Time: ~ 3 min

Viscosity Range

Temperature	Low	High
40°C	ISO VG 10	ISO VG 680
	10 mm ² /s (cSt)	700 mm ² /s (cSt)
100°C	ISO VG 46	ISO VG 1500+
	SAE 20 Motor Oil	SAE 250 Gear Oil
	5.5 mm ² /s (cSt)	200 mm ² /s (cSt)

SimpleVIS Specifications/Compliance

Product Info.	Model: SimpleVIS (Cat. No. 9725-S10)
Applications	ISO VG Lubricants, SAE Engine and Gear Oils
Methodology	Kinematic Viscosity, ASTM D7279 or ASTM D445-Modified
Test Temperatures	40 or 100 °C - user selectable
Viscosity Range	40°C: 10 – 700 mm ² /s (cSt) 100°C: 5.5 – 200 mm ² /s (cSt)
Accuracy	< 3% of measured value, calibrated
Repeatability	< 2% of measured value, typical
Sample Material Type	Mineral Oils, Synthetic Oils, Formulated Motor/Gear Oils
Solvent Compatibility	Internal wetted components compatible with n-heptane only
Volume Requirements	Sample: 450 – 500 µL Solvent: 10 – 15 mL per test

SimpleVIS Specifications/Compliance

Dimensions	128 mm wide x 356 mm deep x 304 mm high (5 x 14 x 12")
Weight	SimpleVIS unit: 4.6 kg (10.2 lbs)
Shipping Weight	12.3 kg (27 lbs) with all accessories
Input Power	SimpleVIS Operation Voltage: 11 – 13 VDC @ 5A peak
AC/DC Adapter Power Requirements	100~230 Volts, 50/60 Hz, 100 Watts
Operating Conditions	15°-30°C, 10%-90% R.H. non-condensing, Installation Category II, Pollution degree 2
Compliance	CE Mark: EMC Directive (2004/108/EC); Low Voltage Directive (2006/95/EC); HI-POT (1900 VDC, 60 sec.); ROHS

* This instrument does not fully comply with ASTM D445 requirements and therefore cannot be used for product certification.



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