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DVPLRV - Viscometer

Order code: **0204.DVPLRV**



Information about product price on demand

Parameters

Measuring range	100 až 40M mPa.s
Series	DVPlus
Quantitative unit	ks

The DVPlus Viscometer AMETEK Brookfield's entry-level viscometer with an advanced user interface and best-in-class features. Viscometer is suitable for all applications where accurate viscosity and yield stress measurements are needed. The easy-to-use, stand-alone interface makes DVPlus the perfect Viscometer for busy labs.

With the DVPlus Viscometer, you get it all: high accuracy, fast response time, and repeatable results.

NIST-traceable viscosity standards are available.

FEATURES & BENEFITS

- 5-inch full-color touch screen display with a dynamic user interface for direct access to the features
- Advanced interface with enhanced controls and a real-time test indicator
- Displayed info includes Viscosity (cP, mPa•s, P, Pa•s), Temperature (°C, °F or K), Torque (%), mNm, Dyne•cm), Speed/Spindle, and Step Program Status
- USB and Bluetooth* interface for use with the DVPlus Connect app
- Temperature offset capability to $\pm 5^{\circ}\text{C}$
- Choice of multiple languages, including English, French, German, Portuguese, Chinese, Japanese, and Spanish
- Total of 740 speeds for an excellent range capacity
- Optional RTD Temperature Probe (DVP-94Y)
- Direct access to the time measurement function (time to torque, time to temperature, time to stop).
- Automatic range calculation:
 - Full-Scale Range (FSR) at 100%
 - Maximum Viscosity measured with Spindle / Speed Combination
- Accuracy of $\pm 1.0\%$ of range
- Repeatability of $\pm 0.2\%$
- 17025 Calibration (Optional)

Each of our standard Viscometers is supplied with an internal spring used to calculate the viscosity of a material. These springs have different measuring capabilities:

LV is for low viscosity materials and can measure the thinnest materials. Typical examples include **inks, oils, and solvents**.

RV is for medium viscosity materials than those measured with an LV torque. Typical examples include **creams, food, and paints**.

HA is for higher viscosity materials than those measured with an RV torque. Typical examples include **gels, chocolate and epoxies**.

HB is for even higher viscosity materials than those measured with an HA torque spring. Typical examples include **asphalt, caulking compounds, and molasses**.

Note: Additional special springs are also available upon request.

LEARN MORE ABOUT THE DVPLUS CONNECT APP (OPTIONAL)

DVPlus Connect is AMETEK Brookfield's new time-saving app that monitors and records test data.

The app provides an easy way to view test data and create permanent test records. Important features and benefits enhance operator versatility in performing viscosity tests, including:

- Monitor tests in real-time
- View and save test data
- USB and Bluetooth* connection options
- Available for Windows (iOS and Android coming soon)
- Print via PC

**where available*

MODEL	VISCOSITY RANGE cP (mPa•s)		SPEEDS	
	Min.	Max.	RPM	Number of Increments
DVPLLV	1*	6M	0.1-200	740
DVPLRV	100	40M	0.1-200	740
DVPLHA	200	80M	0.1-200	740
DVPLHB	800	320M	0.1-200	740

† 1 cP achieved with UL Adapter accessory. 15 cP on LV with standard spindles.

†† Minimum viscosity is achieved with optional RV/HA/HB spindle.

M=1 million cP=Centipoise mPa•s=Millipascal•seconds

What's Included:

- Instrument
- 6 spindles (RV/HA/HB) or 4 spindles (LV)
- Spindle Guard Leg*
- *Not applicable to HA or HB torque models
- Lab Stand (Model G)
- Carrying Case