

# **DVPlus Overview**

© 2022 AMETEK BROOKFIELD. ALL RIGHTS RESERVED.

## BROOKFIELD

## **DVPlus Overview**

- Best in class entry level viscometer with an advanced user interface and features, and designed to suit all applications where accurate viscosity measurements are needed
- Offers many features not normally provided or available with budget friendly viscometers, including:
  - Easy-to-use, stand-alone touch screen interface to help busy labs and QC departments conduct viscosity testing within minutes
  - Bluetooth\* wireless connectivity
  - DVPlus companion app
  - 740 speeds, providing great range capability



#### **DVPlus Capabilities, Features, and Options**

DVP

- Large 5-inch full color touch screen display with enhanced controls
- Optional Magnetic spindle coupling
- LV, RV, HA, and HB standard torque
  - Up to 320 McP
- 0.1-200 RPM (740 speed options)
- Accuracy: ±1.0% of range
- Repeatability: ±0.2%
- Digital leveling
- Viscosity Wizard
- Optional RTD temperature probe
- Integrated Bluetooth
  - Available in most major markets
- DVPlus Companion App available
  - USB B or Bluetooth





AMETEK Brookfield's latest entry level viscometer with advanced features





## **DVPlus**

#### • The DVPlus comes included with:

Instrument	Spindle guard leg Not applicable to HA or HB torque models	Power supply
Spindles (6 with RV/HA/HB, 4 with LV models)	Lab stand (model G)	Carrying case

#### • Optional features and accessories include:

DVPlus Connect App	Magnetic spindle coupling	RTD temperature probe kit
Small sample adapter	UL adapter	Thermosel
Spiral adapter	DIN adapter	Helipath stand and spindles
Ball bearing suspension (RV/HA/HB)	Vane spindles and extension links	Viscosity standards
Screen protectors	Quick action lab stand	Temperature baths

#### **App and Accessories**

## DVPlus Connect App

- Time-saving app that monitors and records test data
- The DVPlus Connect 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 (where available) connection options
  - Available for Windows (iOS and Android coming soon)
  - Print via PC
  - Available late 2022
- Temperature Probe
  - All DVPlus units are enabled for use with the DPV-8001 temperature probe kit
    - Includes the temperature probe and probe clip



Torque 0.0 dynercm Viscosity 0.00 cP Torque 24.5 % Viscosity 38   Temperature 25.0 °C Range 160000 cP Temperature 25.0 °C Test T 0   End Condition Time = 10.0 s Time = 10.0 s End Condition Time = 30.0 s   QC Limits None Low 0 None High 0 None Time = 30.0 s   PL19-HB is connected Test In Progress   Verticest Test Result   Verticest Test Result   Instantiants Mandatation Mandatati	d 20 rpm 99200 cP Time 100:00:26
Spindle HB-05 Speed 20 rpm   Torque 0.0 dyne+cm Viscosity 0.00 cP   Temperature 25.0 °C Range 160000 cP   End Condition Time = 10.0 s Temperature 25.0 °C   CLimits None Low 0 None High 0 None   QC Limits None Low 0 None High 0 None   PA19-HB is connected. Text in Progress   Verticent Text in Progress   Verticent Text in Progress   Verticent Text in Progress   Verticent Text in Progress	20 rpm osity 19200 cP Time 00:00:26
HB-05 20 rpm HB-05 2   Torque 0.00 cP Torque Visco   0.0 dynercm 0.00 cP Torque 24.5 %   Temperature 25.0 °C Test I 700   End Condition Time = 10.0 s End Condition Time = 30.0 s   QC Limits Low 0 None Migh 0 None QC Limits Low 0 N   None High 0 None Test in Progress   PM19-HB is connected. Test in Progress   Test in Progress Save Options   Parter terms Mathematics   Mathematics Mission	20 rpm osity 19200 cP Time 00:00:26
0.0 dynercm 0.00 cP 24.5 % 35   Temperature 25.0 °C Range 160000 cP Temperature 25.0 °C Test T 00   End Condition Time = 10.0 s End Condition Time = 30.0 s Time = 30.0 s   QC Limits None Low 0 None High 0 None QC Limits None Low 0 N None   PA19-HB is connected. Test in Progress   Vincenses Test in Progress	9200 cP Time 00:00:26
25.0 °C 160000 cP 25.0 °C 00   End Condition Time = 10.0 s End Condition Time = 30.0 s 0 0   QC Limits Low 0 None 0 0 0   None High 0 None QC Limits Low 0 N 0   PA19-HB is connected. Test in Progress   Vina domain Test in Progress	00:00:26
Time = 10.0 s Time = 30.0 s   QC Limits Low 0 None   None High 0 None   PA19-HB is connected. Text in Progress	
None High 0 None   PA19-HB is connected. Text in Progress   Own formation: Text in Progress   Description: Text in Progress   Description: Text in Progress   Description: Text in Progress	lana
Note formet     0     1       ←     Test Result     1       Instrument Informations:     Not 244     Save Options       Mandetare:     Annotation:     Not 244       Targen New:     1     Totaler:	
Destation     Set Auto Save folder       Destation     Duration     USB 0F     Duration     USB 0F     Destation     Destation     Claim     Destation     Claim     Destation     Claim     Destation     Destation     Claim     Destation     Claim     Destation     Claim     Destation     Destation     Destation     Destation     Claim     Destation     Dest	ive :

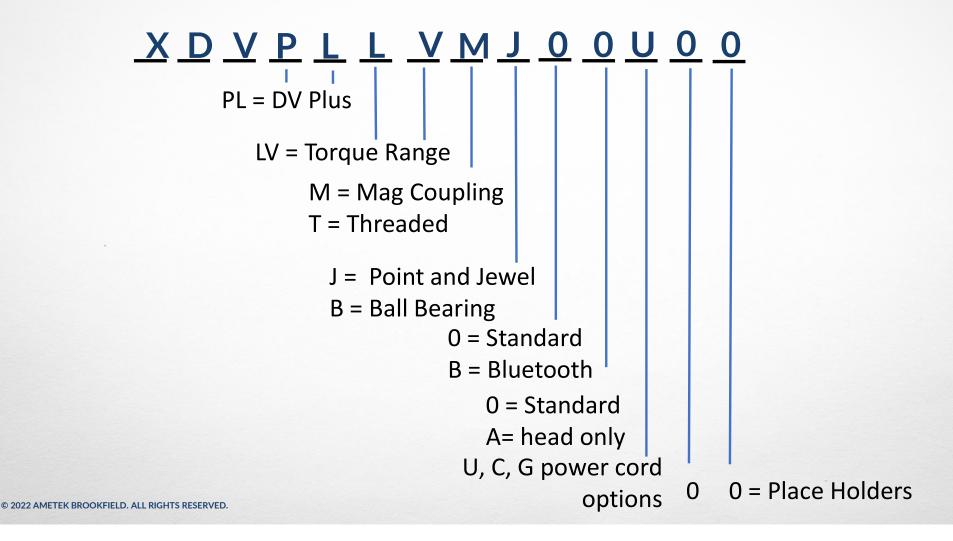
## Applications

- Applications for the DVPlus include:
  - Adhesives
  - Biomass
  - Food and Beverage
  - Pharmaceutical
  - Chemical Production
  - Paints and Coatings
  - Petroleum
  - And many more...





#### **DVPlus Part Numbering**





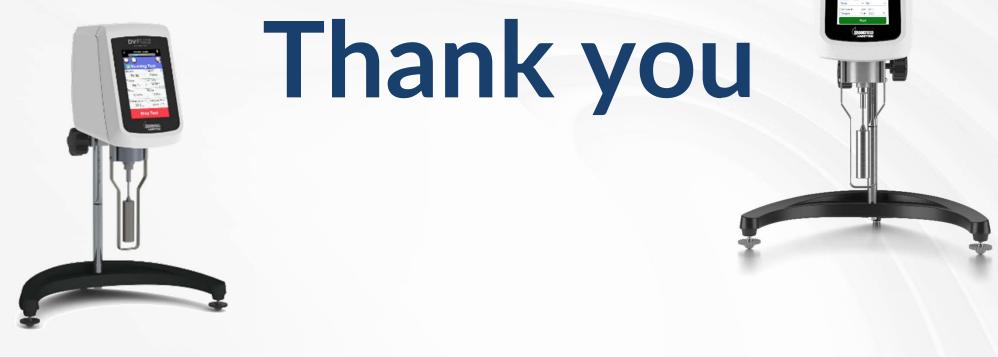
## **DVPlus Service**

## AMECare

- Comprehensive warranty and service program, includes:
  - Additional year of warranty protection
  - Expedited service
  - Expedited instrument return
  - One calibration
  - And more...
- IQ/OQ/PQ
  - Used for submittal to regulatory agencies or for internal Standard Operating Procedures (SOP)







© 2022 AMETEK BROOKFIELD. ALL RIGHTS RESERVED.