BROOKFIELD PROCESS VISCOMETERS

PV 100 Probe Viscometer

ATEX Approved

Concentric cylinders provide viscosity measurement at a defined shear.

Model PV 100 is a user-friendly process viscosity control system that requires little operator involvement.

- Continuous, quick, linear response
- Defined shear measurement
- Continuous linear 4-20mA output
- Direct in-tank measurement
- Optimizes product quality through automatic control
- Helps reduce production and operating costs
- Optional Controller

APPLICATIONS

Adhesive
Chemicals
Coatings
Cosmetics
Dairy
Drilling Fluids
Epoxies
Fruit Juice
Gels
Oil
Paints
Paper Coatings
Petroleum Products
Pharmaceutical
Polymers
Printing
Resins
Sealants
Solvents
Starches
Varnish

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PV 100
Probe Viscometer

The PV 100 Process Viscometer (rotational principle) is especially suited for the highly sensitive control and regulation of medium and high viscosity materials.

Flanged Mounting Option

OPTIONS INCLUDE:

- Immersion probe and flow probe with magnet coupling and resistant to pressure up to 6.4MPa (930 psi)
- Immersion probes for containers for standard lengths:
  - 150 mm
  - 250 mm
  - 1000 mm
  - 1500 mm
  - special lengths may be available on request
- Treatment of bearings for abrasive materials

ELECTRONIC CONTROLLER UNITS FOR PV 100

- Range of viscosity, shear rate (can be programmed for 3 stages) and limiting values pre-set
- Temperature compensation of viscosity reading
- Fault detection
- Trend indication

SPECIFICATIONS

Viscosity:	2 to $1x10^7$ mPa•s
Shear Rate:	$1x10^{-3}$ to $1x10^3$ s^{-1}
Shear Stress:	2-100 Pa
Temperature:	-25° to +300°C
Accuracy:	±2.5% of range in use
Power Supply:	24VDC
Maximum Pressure:	6.4 MPa (930 psi)
Output Signal:	4-20 mA
Special Accessories:	PT100 temperature sensor, switching power-supply, display, printer regulator, valves

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