SOFRASER
Pioneering viscometry since 1972

SOFAST BV3

SOFAST BV3 BENCHTOP VISCOMETER

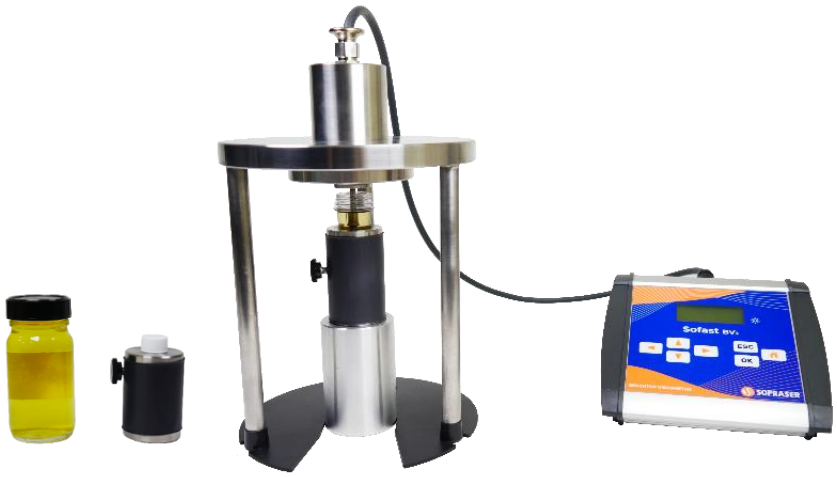
TYPICAL APPLICATIONS FIELDS
Quality control, raw material checking
Multiple process sampling measurement
Regular and quick production check
At line control
Repeatable

Whatever your industry, we understand and develop solutions for many applications. For a personalized approach, contact us at **instruments@sofraser.com**

SOFAST BV3 BENCHTOP VISCOMETER: A QUICK AND RELIABLE SYSTEM FOR AT-LINE VISCOSITY MEASUREMENTS

Sofraser's Sofast BV3 is the only benchtop viscometer using the vibrating technology at resonance frequency. The most complete solution for a fast & reliable viscosity measurement in laboratory conditions.

- **Time saving:** From quick measurement acquisition to fast cleaning, the Sofast BV3, allows the user to measure, clean the sensing element, and prepare a new sample in less than a minute. Making the Sofast BV3, the most convenient & user-friendly lab viscometer.
- **Easy to clean:** The resonance frequency working principle enables a simple and efficient cleaning. No need to dismantle any part.
- **Versatility:** The Sofast BV3 viscometer measures viscosity of samples with volumes as small as 5 ml and for a wide range of viscosities.
- **Complete & Compact:** The Sofast BV3 and its accessories provide the technicians with useful tools for reliable and repeatable viscosity measurements.
- **Durable investment:** The Sofast BV3 sensor has no wearing parts, requires minimal maintenance, and guarantees a rapid return on investment. The data acquisition Software enables quick results analysis, is time saving and streamlines viscosity measurements.



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FEATURES AND SPECIFICATIONS

Measuring range	• Full Scale Range: [0.1 – 100] cP/ [1 – 1 000] cP • [10 – 10 000] cP (upon request)
Sample volume	• Standard: 120 ml • Small sampling volume: - 30 ml - 5 ml
Repeatability	• ± 0.5 % of Full Scale Range • ± 1 % of Full Scale Range (5 ml sample volume)
Operating conditions	• Sample temperature up to 50 °C [122 °F] • Working temperature up to 50 °C [122 °F]
Material	• Sensor wetted parts : 316L stainless steel
Ingress Protection	• IP66 for sensor • IP20 for electronic
Weight	• 8 kg [17.7 lbs]
Dimensions	• Sensor Length: 200 mm [7.874"]; Depth: 200 mm [7.874"]; Height: 330 mm [12.99"]
Power supply	• 24 VDC power supply (included)
Output	• USB communication port (RS485)
Display	• 4-Line alphanumeric backlighting LCD screen • 8 digital buttons • Effective Screen dimensions : 61 mm x 24 mm [2.4" x 0.95"]
Accessories	• Support block • 5 ml and/or 30 ml small sample holders (upon request) • 120 ml glass bottle, 30 ml or 5 ml sample tubes • CheckTemp External temperature probe • Standard mineral oils • Data acquisition software (USB cable included)

In 1981, Sofraser invented & patented the world's first vibrating viscometer at resonance frequency also called tuning-type.

The vibration amplitude varies according to the viscosity of the product in which the rod is immersed.

The active part of the sensor, a vibrating rod held in oscillation at resonance frequency, is driven by constant electrical power.

Sofraser remains unsurpassed regarding process reliability and accuracy.

3 sampling volumes

120 ml 30 ml 5 ml

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