

SOFAST BV BENCHTOP VISCOMETER



Typical applications

- Quality control, raw material checking
- Multiple process sampling measurement
- Frequent and rapid production check
- Process-side controls
- Fast evolution samples

SOFAST BV BENCHTOP VISCOMETER: A QUICK AND RELIABLE SYSTEM FOR VISCOSITY MEASUREMENT IN THE LAB

Sofraser's new Sofast BV is the only benchtop viscometer using vibrating technology at resonance frequency. Using a beaker or a sample tube, the Sofast BV is the most efficient instrument for fast viscosity measurement.

- **Time saving:** From quick measurement acquisition to fast cleaning, the Sofast BV, for the first time in lab viscometry, allows the technician to receive a measurement, clean the rod, and prepare another sample in less than sixty seconds.
- **Reliable measurement:** With its stable skid and resonance frequency technology, it is unaffected by external vibrations. An anti-vibration table is unnecessary and the Sofast BV provides sensitive viscosity measurement from as low as 0.1 cP.
- **Versatility:** The Sofast BV viscometer measures sample volumes as small as 2 ml and several ranges can be pre-configured.
- **Complete solution:** From the conventional lab jack to optional integrated heating and agitating solutions, the Sofast BV's range and accessories equip the lab with useful tools for reliable viscosity and temperature measurements.
- **Durable investment:** The Sofast BV sensor has no wearing parts, requires minimal maintenance, and guarantees a rapid return on investment. Software for data acquisition expedites results, saves time, and streamlines viscosity measurement.

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



Easy cleaning

Small sample tube 2 ml

Lab jack and agitator

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FEATURES AND SPECIFICATIONS

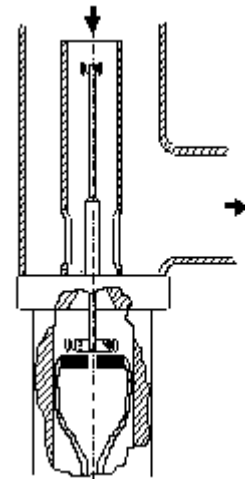
Measuring range	<ul style="list-style-type: none"> 1 fixed range: 0.1-100 mPa.s or 1–1 000 mPa.s Range above 1 000 mPa.s (upon request) Up to 2 pre-configured ranges (upon request)
Sample volume	<ul style="list-style-type: none"> Standard: 100 ml or more Option 30 ml sample tube (upon request) Option small sample tube 2 ml (upon request)
Repeatability	<ul style="list-style-type: none"> ± 0.5 % of Full Scale Range
Operating conditions	<ul style="list-style-type: none"> Sample temperature up to 50 °C / 122 °F Working temperature 40 °C / 104 °F max
Material	<ul style="list-style-type: none"> Sensor wetted parts and base: 316L stainless steel Skid support: aluminum
Protection	<ul style="list-style-type: none"> IP20
Weight	<ul style="list-style-type: none"> 6.3 kg / 13.8 lbs.
Size	<ul style="list-style-type: none"> Length: 240 mm; Depth: 210 mm; Height: 400 mm 9.4" L x 8.2" D x 15.7" H
Power supply	<ul style="list-style-type: none"> 24 VDC power supply included
Battery life	<ul style="list-style-type: none"> 8 hours
Output	<ul style="list-style-type: none"> Mini USB communication port (upon request)
Display	<ul style="list-style-type: none"> LCD screen Dimensions: 123 mm x 42 mm (4.8" x 1.6") 4 lines of 20 characters 2 digital buttons (4 upon request)
Options	<ul style="list-style-type: none"> Additional pre-configured range, determined by initial full scale range (upon request) Small (2 ml) or 30 ml sample volume calibration (upon request)
Accessories	<ul style="list-style-type: none"> CheckTemp External temperature probe 100 ml beaker 100 ml bottle 2 ml sample tubes and adapters (upon request) 30 ml sample tubes (upon request) Lab jack (for beaker use) Lab jack and integrated agitator (upon request) 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.



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