SOFRASER
Pioneering viscometry since 1972

DASTEC
30 años de soluciones para la industria

SOFAST BV

SOFAST BV BENCHTOP VISCOMETER

So easy
So quick
Sofast
Benchtop Viscometer

Typical applications

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

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

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.

Easy cleaning

Small sample tube 2 ml

Lab jack and agitator

SOFAST BV BENCHTOP VISCOMETER

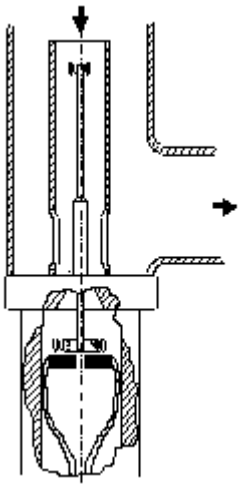
FEATURES AND SPECIFICATIONS	
Measuring range	• 1 fixed range: 0.1-100 mPa.s or 1 – 1 000 mPa.s • Range above 1 000 mPa.s (upon request) • Up to 2 pre-configured ranges (upon request)
Sample volume	• Standard: 100 ml or more • Option 30 ml sample tube (upon request) • Option small sample tube 2 ml (upon request)
Repeatability	• ± 0.5 % of Full Scale Range
Operating conditions	• Sample temperature up to 50 °C / 122 °F • Working temperature 40 °C / 104 °F max
Material	• Sensor wetted parts and base: 316L stainless steel • Skid support: aluminum
Protection	• IP20
Weight	• 6.3 kg / 13.8 lbs.
Size	• Length: 240 mm; Depth: 210 mm; Height: 400 mm 9.4 ” L x 8.2 ” D x 15.7” H
Power supply	• 24 VDC power supply included
Battery life	• 8 hours
Output	• Mini USB communication port (upon request)
Display	• 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	• Additional pre-configured range, determined by initial full scale range (upon request) • Small (2 ml) or 30 ml sample volume calibration (upon request)
Accessories	• 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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ISO 9001 SGS

DASTEC

Representantes / Distribuidores Exclusivos

Argentina
Tel: (+54 11) 5352 2500
Email: info@dastecsrl.com.ar
Web: www.dastecsrl.com.ar

Uruguay www.dastecsrl.com.uy

Paraguay www.dastecsrl.com.py

ZI, 15 rue Nobel 45700 Villemandeur- France – Instrument@sofraser.com – www.sofraser.com - +33 (0) 238 85 77 12 – Fax +33 (0) 238 85 99 65