SOFRASER
Pioneering viscometry since 1972

9300

VISCOSITY AND TEMPERATURE TRANSMITTER
- Panel mount – Easy handling -

TYPICAL APPLICATION FIELDS
Polymers & Chemicals
Oil & Energy
Food & Beverage
Pharma & Biotech
Coatings & Printing

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

INSTANTANEOUS AND CONTINUOUS VISCOSITY AND TEMPERATURE MEASUREMENT

The Sofraser **9300** Viscosity and Temperature Transmitter offers state of the art technology and a brand-new design based on the 2007 Sofraser patent. The **9300** electronic cabinet processes the vibration of Sofraser **MIVI** sensor and offers an ergonomic and easy to use solution.

- **Enhanced Readability for a better control.** The combination of the display and its 8 buttons allows the complete setting up directly on the **9300** Transmitter. It is the ideal instrument for standard process applications.
- **Optimized control and on-field customization.** Raw data can be displayed and adjustable current outputs checked for easy on-field diagnosis. Activation and set up of the correlation feature (using the table or the equation) are directly allowed by the **9300**.
- **Real-time display of Viscosity and Temperature**. More than offering visual security in your production, it processes the amplitude variations in order to deliver an instant linear viscosity response on a digital display.
- **Easy connection to any data acquisition system or process controller**, for a precise reporting and control with analog and digital outputs.

9300 Viscosity and Temperature Transmitter

STANDARD FEATURES AND SPECIFICATIONS	
Inputs	• Viscosity (analog MIVI sensor) • Temperature (Pt100 probe)
Outputs	• Two independent analog outputs for viscosity and temperature: 4 - 20 mA ± 0,1 %; 12 bits; Zmax.: 400 Ω • RS 485 Modbus RTU, maximum cable length 1000 m [3280 ft]
Display	• 4-line alphanumeric backlighting LCD screen • 8 digital buttons • **Effective screen dimensions:** 61 mm x 24 mm [2.4" x 0.95"]
Operating conditions	• **Working temperature:** 0°C [32°F] to 50°C [122°F] • **Process temperature:** linearization of viscosity signal by mathematical model and correction of sensor thermal drift up to 200 °C [392°F] • **Protection class:** IP20 • **Sensor / Electronic box cable:** 3 m (more on request) • To be installed in a safe area with stable temperature
Dimensions & characteristics	• **Panel dimensions:** 96 mm x 96 mm [3.78" x 3.78"] • **Total depth:** - 81 mm [3.19"] with connectors - 72 mm [2.83"] without connectors • **Weight:** 300g • **Panel cut-out:** 91mm x 91 mm [3.54" x 3.54"]
Power	• 24 VDC (± 2.4 V, stabilized and filtered)
Regulatory	• CE marked (European conformity)
Options Accessories	• One calibration point at viscosity and process temperature (up to 100 °C [212°F]) • Insertion in an Ex-proof enclosure, for use in hazardous areas • Insertion in a IP65 enclosure • Power supply 88 to 264 VAC – 24 VDC

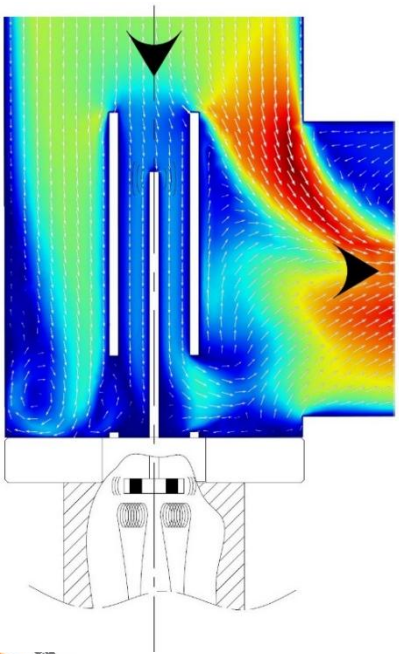
In 1981, Sofraser invented & patented the world's first vibrating viscometer at resonance frequency also called tuning-type.

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.

With its exclusive Flow Damper technology that acts like an embedded Flow cell, the measurement stays stable in any conditions.

Sofraser remains unsurpassed regarding process reliability and accuracy.



CE

ISO 9001 SGS

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