9200 Viscosity and Temperature Transmitter

SOFRASER Patented

Typical application fields
• **Food processing**
• **Printing: inks, varnishes**
• **Packaging: cardboards, glues, inks**
• **Coating: paints, lacquers**
• **Mixing: detergents, hygiene and care products**

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 **9200** Viscosity and Temperature Transmitter offers state of the art technology and a new design based on 2007 Sofraser patent. The **9200** electronic cabinet processes the vibration of Sofraser analog **MIVI** viscometers.

- **Easy-to-handle electronics**, with standardized outputs and adjusted calibration, the Sofraser **9200** transmitter is the ideal instrument for standard process application.
- **Constant display of the viscosity and temperature**. More than offering visual security in your production, it processes the amplitude variations in order to deliver a 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.
- **Simple mounting**, it can be fitted on any control panel to optimize your process space.

9200 Viscosity and Temperature Transmitter

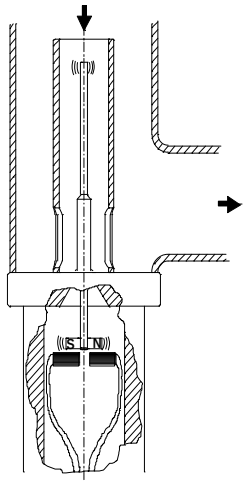
Standard features and specifications

Inputs	• Viscosity (analog MIVI sensor) • Temperature (Pt100 probe)
Outputs	• Two independent and insulated for viscosity and temperature: 4 - 20 mA ± 0,1 %; Z max.: 100 Ω • RS 485, configuration required: maximum cable length 1000 m, 1 twisted pair cable 1200 to 38400 baud, protocol MODBUS, slave code: RTU
Display	• 2-line alphanumeric backlighting LCD screen • 2 digital buttons • Effective dimensions: 64 mm x 15 mm
Operating conditions	• Working temperature: 0 to 40°C • Process temperature: linearization of viscosity signal by mathematical model and correction of sensor thermal drift up to 100°C • Watertightness: IP20 • Sensor / Electronic box cable: 3 m (standard) • To be installed in a safe area with stable temperature
Dimensions & characteristics	• Panel dimensions: 96 mm x 48 mm • Total depth: 120 mm • Weight: 240 g • Panel mounting with 2 screws
Power	• 24 VDC
Regulatory	• CE marked (European conformity)
Options	• One calibration point at viscosity and process temperature (limited to 150°C) • Insertion in an ex-proof box, for use in hazardous areas • Insertion in a watertight box (IP65) • Power supply 88 to 264 VAC – 24 VDC

In 1981, Sofraser invented and patented the world's first vibrating-type viscometer at resonance frequency and remains unsurpassed regarding process reliability and accuracy.

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

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



Quality System afaq ISO 9001 Qualité AFNOR CERTIFICATION CE

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