SOFRASER
Pioneering viscometry since 1972

9100

DIN-RAIL VISCOSITY AND TEMPERATURE TRANSMITTER

TYPICAL APPLICATION FIELDS
Polymers & Chemicals
Oil and Energy
Food and Beverage
Pharma & Biotech
Coating & 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 9100 Viscosity and Temperature Transmitter offers state of the art technology and a new design based on 2007 Sofraser patent. The 9100 electronic cabinet processes the vibration of Sofraser MIVI sensor.

- **Easy-to-handle electronics**, with standardized outputs and adjusted calibration, the Sofraser 9100 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.
- **Basic controls and customization features**. Raw data can be displayed and current outputs checked for easy on field diagnosis. Choice of the units and activation of the correlation table are complementary features allowed by 9100.
- **Easy connection to any data acquisition system or process controller**, for a precise reporting and control with analog and digital outputs.
- **Simple mounting**, on a standard DIN rail

9100 Viscosity and Temperature Transmitter

STANDARD FEATURES AND SPECIFICATIONS

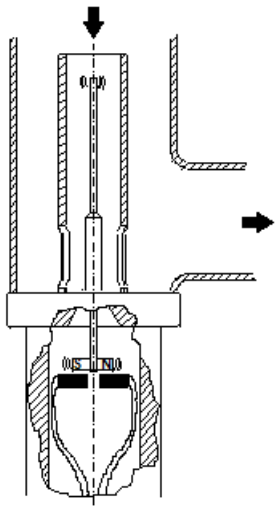
Inputs	• MIVI or INVI sensor: Viscosity and Temperature (Pt100 probe)
Outputs	• Two analog outputs for viscosity and temperature: 4 - 20 mA ± 0,1 %; 12 bits; Z max.: 400 Ω • RS 485 Modbus RTU, maximum cable length 1000 m
Display	• Two lines x 8 digits – 40 mm x 10 mm • Two buttons for menu access • Switchable backlight
Operating conditions	• Working temperature: 0 to 50 °C • Process temperature: linearization of viscosity signal by mathematical model and correction of sensor thermal drift up to 200 °C • Watertightness: IP20 • Sensor / Electronic box cable: 3 m (more on request) • To be installed in a safe area with stable temperature
Dimensions & characteristics	• Total dimensions: 105 mm x 45 mm • Total depth: 113 mm • Weight: 200 g • On DIN Rail mounting
Power	• 24 VDC (± 2.4 V, stabilized and filtered)
Regulatory	• CE marked (European conformity)
Options Accessories	• Calibration point at viscosity and process temperature (up to 100 °C) • Insertion in an Ex-proof box, for use in hazardous areas (consult us) • Insertion in a watertight box IP65 (consult us) • Power supply 88 to 264 VAC – 24 VDC • Sofraser communication software (data logging, advanced settings, 4/20mA outputs, correlation table, ...)

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.



CE

ISO 9001 SGS

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