SOFRASER
Pioneering viscometry since 1972

9510

VISCOSITY AND TEMPERATURE PROCESSOR

TYPICAL APPLICATION FIELDS
Food & beverage: dairy products, sauces, emulsions
Coating: paints, lacquers, inks, varnishes
Chemistry: polymers, detergents, surfactants
Cosmetics: creams, gels, pastes
Petroleum: oil, fuels, lubricants

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

THE COMPACT PROCESSOR FOR VISCOSITY AND TEMPERATURE MONITORING

Sofraser's **9510 viscosity and temperature processor** receives signals from the digital 9000 transducer of a MIVI viscometer and displays the fluid's real-time viscosity and temperature.

User-friendly display: The **9510 viscosity and temperature processors** offer instantaneous and continuous display in value, bar graphs as well as relevant equipment information.

Personalized and intuitive use: Security codes, offset adjustment, viscosity value filtering, and viscosity and temperature Min/Max values and units are easily accessed and programmed on the detailed settings menu.

Additional 9510 functions: Viscosity and temperature calibration features. Viscosity calibration table with manual or assisted filling feature. Temperature calibration with formula.

Improve process management and production: Programmable analog outputs and alarm relays increase viscosity and temperature measurement use.

9510 VISCOSITY & TEMPERATURE PROCESSOR

STANDARD FEATURES AND SPECIFICATIONS

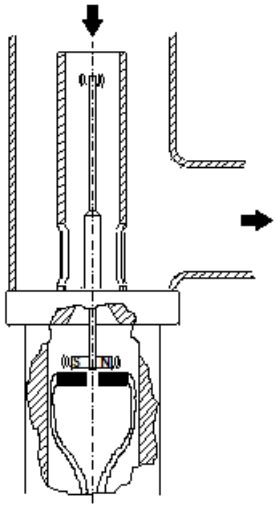
Version	• **9510 Viscosity and Temperature Processor** For 1 MIVI 9000 viscometer, with 1 parameters set
Inputs	• 1 x RS485 (RJ-11), for Sofraser digital transducer board
Resolution	• Between 0,1% and 0,5 % of measurement from 10% to 90% of the full scale range
Outputs	• 2 x 4 -20 mA single-ended outputs: for viscosity and temperature, Zmax.= 500Ω, operational error limits +/-0,2% • 1 x RS485 (RJ-11), 2 wires, 1200 m max / 3900 ft max
Relays	• 5 x NO (Normally Open) relays for low and high alarms and diagnosis • Power cut-off 3A, 8A max per common, 250 VAC or 30 VDC
Screen & Display	• Effective screen dimensions: 128 x 64 pixels • Keyboard 16 keys • Display of instantaneous values, bar graphs
Operating conditions	• Working temperature: 0 to 50 °C / 32 to 122°F • 5% to 95% RH (non condensing) • Front panel IP65 / NEMA 4X - Back panel IP20
Dimensions & characteristics	• Panel dimensions: 96 mm x 96 mm / 3.78" x 3.78" • Total depth: 64mm / 2.52" • Weight: 317 g / 0.634 lb • Panel cut-out: 92 mm x 92 mm / 3.622" x 3.622" • On Din Rail mounting possible
Security	• Configuration and parameters password-secured • Parameters backup: 7 years on battery
Power input	• 24 VDC (21,6 to 26,4 VDC)
Regulatory	• CE marked (European conformity)
Accessory options	• Power supply: Din-rail type 88 to 264 VAC – 24 VDC • Power supply: universal plug type 100 to 240 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.

Sofraser remains unsurpassed regarding process reliability and



CE

CERTIFICATION DE SYSTÈME ISO 9001 SGS

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