

VISCOMETER DESIGNED FOR COATING AND LAMINATING PROCESSES



MULTIPLE PROCESSES

Paints

Lacquers

Varnishes

Glues



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

SOFINE, VISCOSITY SENSOR FOR COATING APPLICATIONS

The **SOFINE** offers inline viscosity measurement dedicated to the coating industry and viscous products like varnish or glue. It is compatible with any kind of process like dipping, wetting, spraying, brushing...

Instant viscosity and temperature measurements assure constant and uniform quality of coating even for complex applications like multi-components preparations.

- **Increase customer profitability:** optimization of the fluid's quality to maintain film thickness and improves global productivity.
- **Robust, reliable and maintenance-free:** with no moving parts, the SOFINE provides reliable viscosity measurement and can be connected to any existing controller.
- **Easy-to-handle and install:** the SOFINE sensor can be mounted in any position and is compliant with the main industry's standards.
- **High versatility:** suitable for solvent or water based fluids like paintings, lacquers, varnishes, glues.



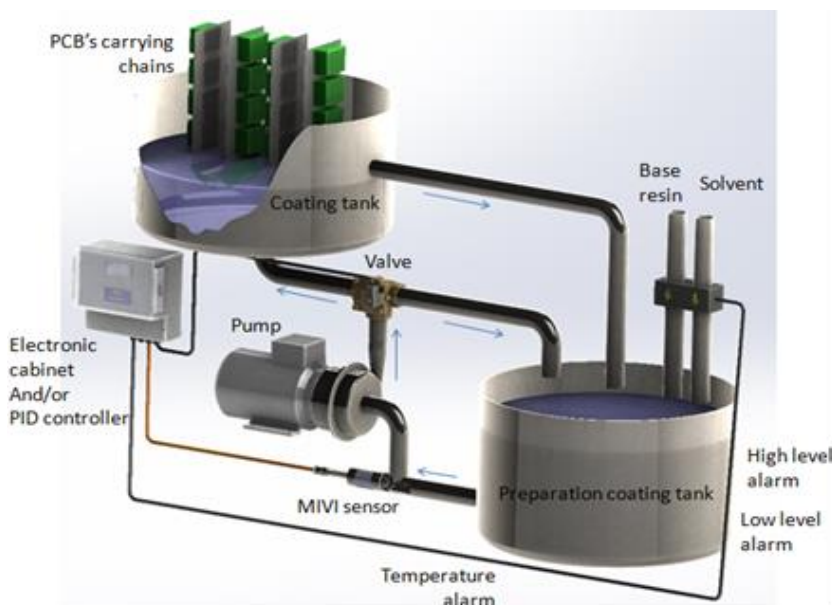
SOFINE VISCOMETER

FEATURES AND SPECIFICATIONS – ADJUSTED ON REQUEST

Measuring range	<ul style="list-style-type: none"> 5 000 cP in standard, adjustable to your application
Viscosity precision*	<ul style="list-style-type: none"> ±0.2% of reading
Viscosity accuracy**	<ul style="list-style-type: none"> ±0.5% of reading
Size & Weight	<ul style="list-style-type: none"> Length: 220 mm; < 3 kg
Working conditions	<ul style="list-style-type: none"> Up to 75 °C 20 bar
Material	<ul style="list-style-type: none"> 316L stainless steel
Process mounting	<ul style="list-style-type: none"> On reactor wall or directly on pipe angle
Body watertightness	<ul style="list-style-type: none"> IP67
Homologation	<ul style="list-style-type: none"> ATEX II 2G Ex db IIC T6 Gb
Regulatory	<ul style="list-style-type: none"> CE marked (European conformity)
Electronic interface	<ul style="list-style-type: none"> Viscosity and temperature outputs: 4-20 mA or RS485
Power supply	<ul style="list-style-type: none"> 24 VDC (± 2.4 V, stabilized and filtered)

- * From 10% to 90% of the full scale range. Depends on electronic resolution
- ** From 10% to 90% of the full scale range. Depends on calibration options

Operation diagram example:



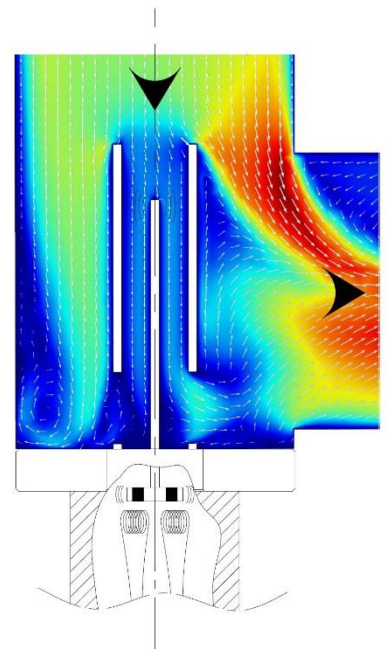
In 1981, Sofraser invented & patented the world's first vibrating viscometer at resonance frequency also called tuning-type.

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 measurements stays stable in any conditions.

Sofraser remains unsurpassed regarding process reliability and accuracy.



CE

