

## VISCOMETER DESIGNED FOR COATING AND LAMINATING PROCESSES



### MULTIPLE PROCESSES

- Paints
- Lacquers
- Varnishes
- Glues



### 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



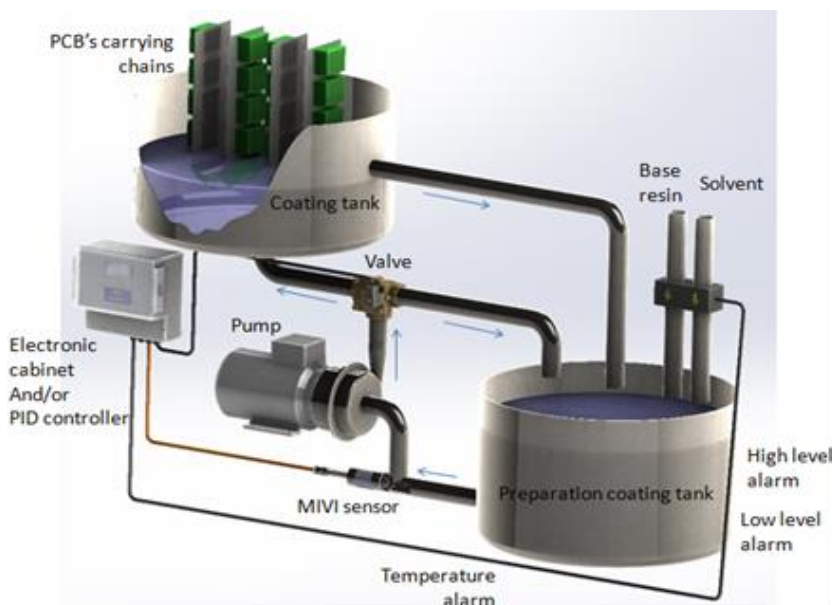
## SOFINE VISCOMETER

### FEATURES AND SPECIFICATIONS – ADJUSTED ON REQUEST

Measuring range	<ul style="list-style-type: none"> <li>5 000 cP in standard, adjustable to your application</li> </ul>
Viscosity precision*	<ul style="list-style-type: none"> <li>±0.2% of reading</li> </ul>
Viscosity accuracy**	<ul style="list-style-type: none"> <li>±0.5% of reading</li> </ul>
Size & Weight	<ul style="list-style-type: none"> <li>Length: 220 mm; &lt; 3 kg</li> </ul>
Working conditions	<ul style="list-style-type: none"> <li>Up to 75 °C</li> <li>40 bar</li> </ul>
Material	<ul style="list-style-type: none"> <li>316L stainless steel</li> </ul>
Process mounting	<ul style="list-style-type: none"> <li>On reactor wall or directly on pipe angle</li> </ul>
Body watertightness	<ul style="list-style-type: none"> <li>IP67</li> </ul>
Homologation	<ul style="list-style-type: none"> <li>ATEX II 2G/D Ex d IIC T6</li> </ul>
Regulatory	<ul style="list-style-type: none"> <li>CE marked (European conformity)</li> </ul>
Electronic interface	<ul style="list-style-type: none"> <li>Viscosity and temperature outputs: 4-20 mA or RS485</li> </ul>
Power supply	<ul style="list-style-type: none"> <li>24 VDC (± 2.4 V, stabilized and filtered)</li> </ul>

- \* From 10% to 90% of the full scale range.
- \*\* From 10% to 90% of the full scale range.

### Operation diagram example:

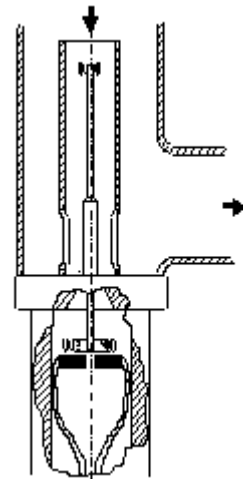


In 1981, Sofraser invented & patented the world's first vibrating viscometer at resonance frequency also called tuning-type.

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.

Sofraser remains unsurpassed regarding process reliability and accuracy.



CE

