

## PORTABLE VISCOMETER



### TYPICAL APPLICATIONS

- Food & beverage: sauces, additives, emulsions
- Chemical: polymers, plastics, resins, detergents
- Cosmetics & pharmaceuticals: gels, creams
- Oil & gas: fuels, oils, lubricants
- Printing, packaging, coating: inks, varnishes, cardboards glues, paints, lacquers

### FULLY PORTABLE VISCOMETER FOR FIELD MEASUREMENTS

The **Sofraser PIV2 portable viscometer's** simplifies field viscosity measurement. Long-lasting autonomy and measurement up to 50°C make it the perfect instrument for process optimisation operations, machine adjustments, and raw materials control.

- **Ergonomic design:** The non-skid sensor handle and a convenient transportation case option permit viscosity measurement in any place, at any time.
- **Durable investment:** The PIV2's rugged sensor has no wearing parts, requires minimal maintenance, and guarantees a rapid return on investment.
- **Effective time management:** Simplified use saves incredible amounts of time in viscosity measurements and in cleaning operations. Simply wipe the vibrating rod and it is ready for the next trial.
- **Practical technology:** PIV2 functions facilitate all field operations for products up to 50°C. With an inherent long battery life, it memorizes up to 16 measures and is easily connected to a computer for data recovery.

**DASTEC S.R.L.**

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## PIV2 PORTABLE VISCOMETER

### FEATURES AND SPECIFICATIONS

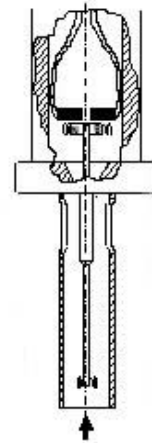
Measuring range	<ul style="list-style-type: none"> <li>0.1-100 mPa.s to 1-1 000 mPa.s</li> </ul>
Repeatability	<ul style="list-style-type: none"> <li>± 0.5 % of Full Scale Range</li> </ul>
Operating conditions	<ul style="list-style-type: none"> <li>Sample temperature up to 50°C / 120 °F</li> <li>Sensor body temperature 50°C max./ 120 °F</li> </ul>
Material	<ul style="list-style-type: none"> <li>Body in 316L stainless steel</li> <li>Handle in AU4G aluminum</li> </ul>
Sensor Protection	<ul style="list-style-type: none"> <li>IP67</li> </ul>
Weight	<ul style="list-style-type: none"> <li>Sensor: 2.5 kg / 5½ lb</li> <li>Electronic device: 0.4 kg / 0,9 lb</li> </ul>
Power supply	<ul style="list-style-type: none"> <li>4 x AA batteries</li> <li>Battery charger (230 VAC, 50-60 Hz)</li> </ul>
Battery Life	<ul style="list-style-type: none"> <li>8 hours</li> </ul>
Memory	<ul style="list-style-type: none"> <li>Up to 16 measurements</li> </ul>
Output	<ul style="list-style-type: none"> <li>USB communication port</li> </ul>
Display	<ul style="list-style-type: none"> <li>LCD screen</li> </ul>
Accessories	<ul style="list-style-type: none"> <li>Communication software, including USB cable</li> </ul>

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.



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