



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

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

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.



PIV2 Portable Viscometer

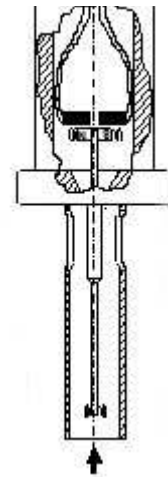
Features and Specifications

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

Based on revolutionary vibrating-type technology, Sofraser launched its first portable viscometer in 2005. These electronic advancements generated new principles that were patented in 2007 by Sofraser.

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.



Quality System



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