

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.

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



PIV2 PORTABLE VISCOMETER

FEATURES AND SPECIFICATIONS

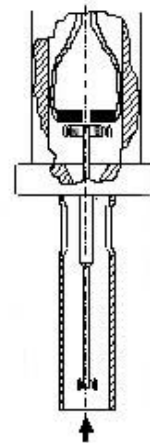
Measuring range	<ul style="list-style-type: none"> 0.1-100 mPa.s to 1-1 000 mPa.s
Repeatability	<ul style="list-style-type: none"> ± 0.5 % of Full Scale Range
Operating conditions	<ul style="list-style-type: none"> Sample temperature up to 50°C / 120 °F Sensor body temperature 50°C max./ 120 °F
Material	<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

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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