SOFRASER
Pioneering viscometry since 1972

PIVI

PORTABLE VISCOMETER

TYPICAL APPLICATIONS FIELDS
Food & beverage: sauces, additives, emulsions
Chemical: polymers, plastics, resins, detergents
Cosmetics & pharmaceutics: 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 PIVI 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 PIVI'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:** PIVI 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.

PIVI PORTABLE VISCOMETER

FEATURES AND SPECIFICATIONS	
Measuring range	• 0.1-100 mPa.s to 1-1 000 mPa.s
Repeatability	• ± 0.5 % of Full Scale Range
Operating conditions	• Sample temperature up to 50°C / 120 °F • Sensor body temperature 50°C max./ 120 °F
Material	• Body in 316L stainless steel • Handle in AU4G aluminum
Sensor Protection	• IP67
Weight	• Sensor: 2.5 kg / 5½ lb • Electronic device: 0.4 kg / 0,9 lb
Power supply	• 4 x AA batteries • Battery charger (230 VAC, 50-60 Hz)
Battery Life	• 8 hours
Memory	• Up to 16 measurements
Output	• USB communication port
Display	• LCD screen
Accessories	• 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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