



Typical Applications

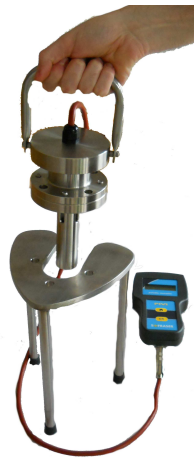
- **Food & beverage:** sauces, additives, emulsions
- **Chemical:** polymers, plastics, resins, detergents
- **Cosmetics & pharmaceuticals:** gels, creams
- **Oil & gas:** fuels, oils, lubricants
- **Printing, packaging, coating:** inks, varnishes, cardboards glues, paints, lacquers

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

STABLE, ROBUST LABORATORY OR PORTABLE VISCOMETER

The unique **Sofraser PIV1 portable viscometer** allows at-temperature viscosity measurement in the lab or in the factory. One criterion for a product's end quality is viscosity control. With its robust sensor and ultra-convenient electronic interface connection, the **Sofraser PIV1** is the ideal instrument for solutions to daily production concerns.

- **Quality Assurance:** Any place, any time, control quality with the most stable, portable, and repeatable instrument for measuring viscosity.
- **Durable Investment:** The PIV1's rugged 316L design 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 controls and in cleaning operations. Just wipe the vibrating rod and it's ready for the next trial.
- **Ergonomic Technology:** Practical PIV1 functions facilitate lab or field operations. With an inherent long battery life, it memorizes up to 16 measures and is easily connected to a computer for data recovery.



PIV1 Portable Viscometer

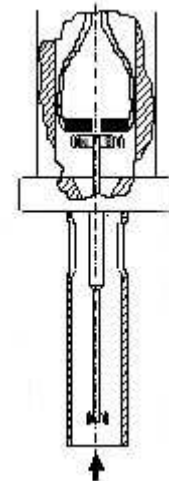
Based on revolutionary vibrating-type technology, Sofraser launched its first portable viscometer in 2005. Electronic advancements generated new principles that were patented in 2007 by Sofraser.

The active part of the sensor, a vibrating rod held in oscillation at resonance frequency, is driven by constant electrical power.

The vibration amplitude varies according to the viscosity of the product in which the rod is immersed.

Features and Specifications

Measuring range	<ul style="list-style-type: none"> Any range from 0.1-100 mPa.s to 10-10 000 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 200°C Sensor body temperature 100°C max.
Material	<ul style="list-style-type: none"> 316L stainless steel
Protection	<ul style="list-style-type: none"> IP67
Weight	<ul style="list-style-type: none"> 3.9 kg
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"> 4 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
Options	<ul style="list-style-type: none"> Incorporated temperature probe Correlation table programming Current output 2 x 4-20 mA current outputs
Accessories	<ul style="list-style-type: none"> Lab stand for laboratory uses Measuring tubes for product sample Adapter for measuring tubes Communication software, including USB cable



Quality System



SOFRASER

ZI, 15 rue Nobel
45700 Villemandeur - France

info@sofraser.com - www.sofraser.com

+33 (0) 238 85 77 12 - Fax +33 (0) 238 85 99 65