

Process Viscometer MIVI

In-line, instant and permanent viscosity measurement

Essential for all manufacturing or quality control applications.
Especially developed for industrial conditions.

No wear part, Low maintenance

Operates in any position

**Simple, rugged, accurate
and RELIABLE**

**World 1st vibrating-type
viscometer
at resonance frequency**



SPECIFICATIONS	Measuring range	from 0,1 – 10 mPa.s to 1000-1 000 000 mPa.s optional high sensitivity version 0,01-2 mPa.s (patented in 2007)
	Repeatability	± 0,1 % PE
	Weight	2,6 kg
	Operating temperature	200 °C max <i>on request : 300°C</i>
	Working pressure	60 bars <i>on request : up to 500 bars</i>
	Body watertightness	IP 67
	Material	Stainless steel 316 L <i>on request : Hastelloy, 316Ti, Duplex ...</i>
	OPTIONS	Coating
ATEX		Ex d IIC T1.. T6 (gas) Ex tD A21 IP67 T75°C...T300°C (dust)
Other ADF homologations		USA (FM), JAPAN (JIS), SOUTH KOREA (KGS)
Sanitary applications		3A design
Temperature measurement		internal temperature probe (-20°C to 250°C)

Signal processors :

The signal converter associated from the **7000, 8000 or 9600** families (see technical leaflets) allows the vibration and processes the amplitude variations in order to deliver a calibrated viscosity response.
Easy-to-handle electronics, equipped with standardized outputs and adjustable calibration.

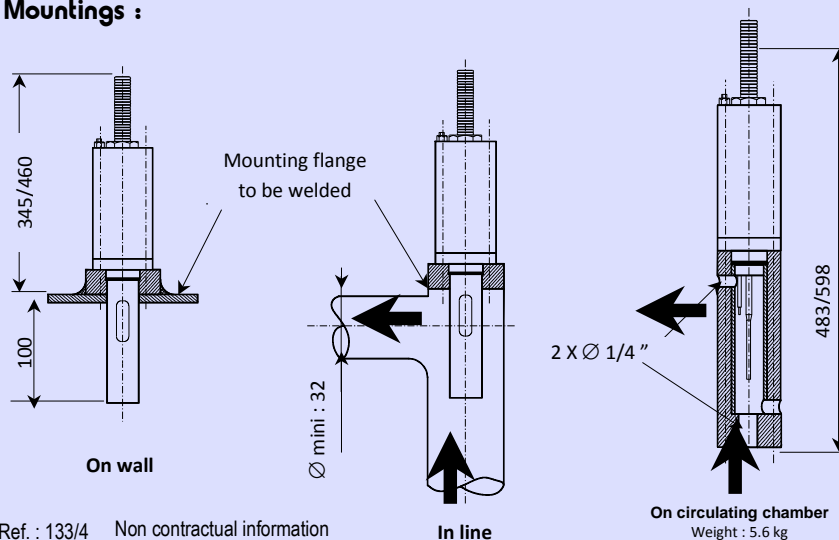
Principle

Sofraser is the inventor of the vibrating-type viscometer at resonance frequency, patented in 1981, that is nowadays world widely considered as the most reliable in process.

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

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

Mountings :



Ref. : 133/4 Non contractual information

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