

# Process Viscometer MIVI

World 1<sup>st</sup> vibrating-type viscometer at resonance frequency

## 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**

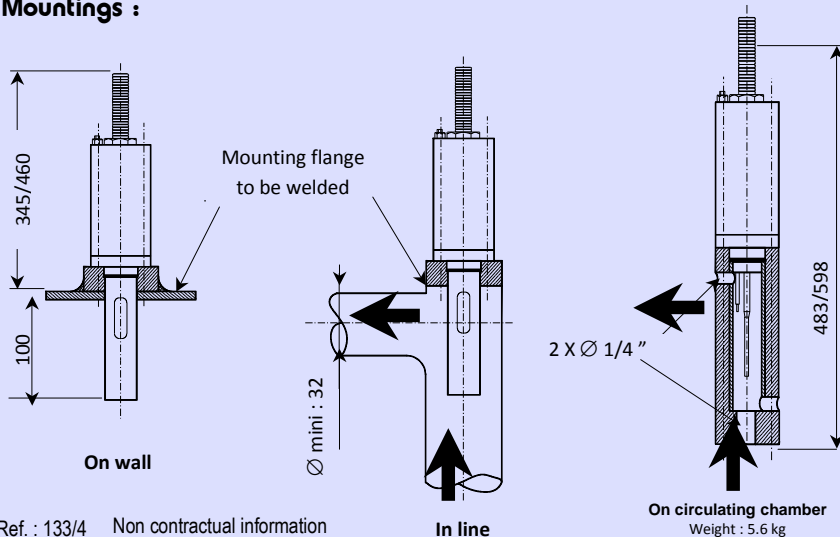


SPECIFICATIONS	Measuring range	from 0,1 – 10 mPa.s to 1000-1 000 000 mPa.s optional high sensitivity version 0,01-2 mPa.s (patented in 2007)
	Repeatability	± 0,1 % PE
	Weight	2,6 kg
	Operating temperature	200 °C max <i>on request : 300°C</i>
	Working pressure	60 bars <i>on request : up to 500 bars</i>
	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.

### Mountings :



### 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.

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