

Product:

ViscoTron VP300 Series Sensors

Manufactured By:

Marimex

	VP-300L	VP-300M	VP-300H	VP-300X
Viscosity range (mPa·s x g/cm³)	0.00 to 2,500.00	0.0 to 25,000.0	0 to 250,000	0 to 5,000,000
Sensor length	185 mm	155 mm	125 mm	120 mm
Maximum process temperatures	LTN LTR STR	< 130°C < 175°C < 350°C	no air / no riser no air / riser air cooling / riser	
Resonance frequency	200 to 600 Hz depending on construction			
Shear rate	1,250 - 3,750 sec ⁻¹ depending on construction			
Calibration	Computer assisted calibration with NIST traceable standards 3 decades standard 4 decades optional Calibration is independent of cable length with the ViscoTron VT-G144 transmitter Calibration is dependent on cable length with the ViscoScope VS-4450 transmitter			
Repeatability	0.3% or ±1 digit			
Reproducibility	0.5% or ±1 digit			
Accuracy	1% or ±1 digit (factory calibrated with NIST standards)			
Process temperature	Measured with PT100 located inside the sensor bulb ATEX: II 1/2 G EEx ia IIC T3 – T6 CSA International Class I, Div I, Group C and D			
Cable length	300 meters max. between sensor and transmitter			
Housing	IP65			
Wetted parts	Low friction, corrosion resistant coatings up to 300°C SUS316L (1.4571) standard optionally Hastelloy C, Duplex, Monel Other coatings available based on the application			
Process connection	3" 300# and DN80 PN40 standard Other process connections optional (maximum pressure capability of sensor: 450 bar / 6,500 psig)			
NAE (Non-active extension)	Eliminates no flow areas in a pipe connection, a reactor or T-piece. Can also be used to bridge gaps in low level applications. Standard Ø 38 to 48 mm Length = up to 1,000 mm NAE available in other diameters, lengths and special shapes			

Rheology Solutions is the sole Australian Distributor of this product. Full product information is available to download from www.rheologysolutions.com. If you have any questions or require further information please contact us. We look forward to being of further service.

Regards from the Team at Rheology Solutions.