



VC-30 SERIES



PROCESS VISCOMETER

FOR LOW FLOW RATE

IN PROCESS TO EXCELLENCE

Specifications

Advantages

- Continuous measurements
- Easy cleaning
- High accuracy
- Simple installation
- Suitable for very viscous liquids
- Wide range of applications
- Compact design
- Automatic temperature compensation
- Rigorous factory testing

Applications

- Marine
- Military applications
- Pharmaceutical, cosmetic industries
- Petroleum industry
- Food & Beverages

Measuring range:

Dynamic Viscosity	0.2 to 2000 mPa·s (0.2 to 2000 cP)
Temperature	-20°C to +100°C (-4°F to +212°F)

Accuracy:

Dynamic Viscosity	±1% of span
Temperature	±0.1°C (±0.2°F)

Repeatability:

Dynamic Viscosity	±0.5% of span
Temperature	±0.1°C (±0.2°F)

Resolution:

Viscosity	0.1 cP
Temperature	0.01°C (0.02°F)

Flow Range	10 to 100 L/h
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Ambient temperature	-20°C to +50°C (-4°F to +122°F)
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Operating pressure	Up to 10 Bar (Up to 145 psi)
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Materials:

Sensor	Stainless steel SS 316 L; NiSpan C; Hastelloy C22
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Weather rating	IP65
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Power supply	24V AC
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Digital output	Standard: RS485, Modbus
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Analog output	4-20 mA
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Dimensions, weight

Housing Dimensions	200 x 174 x 91 mm (7,9 x 6,9 x 3,6 in)
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Weight	approx. 3 kg (approx. 6,6 lb)
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Process connection	Swage nipple PN 06HB02 VA 1/8"-6
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Temperature compensation	Automatic
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Viscosity compensation	Automatic
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Data Handling	Black lighted LCD 4x20
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CE mark	Compliant EN 61326 ; EN 5011 ; EN 50082-2
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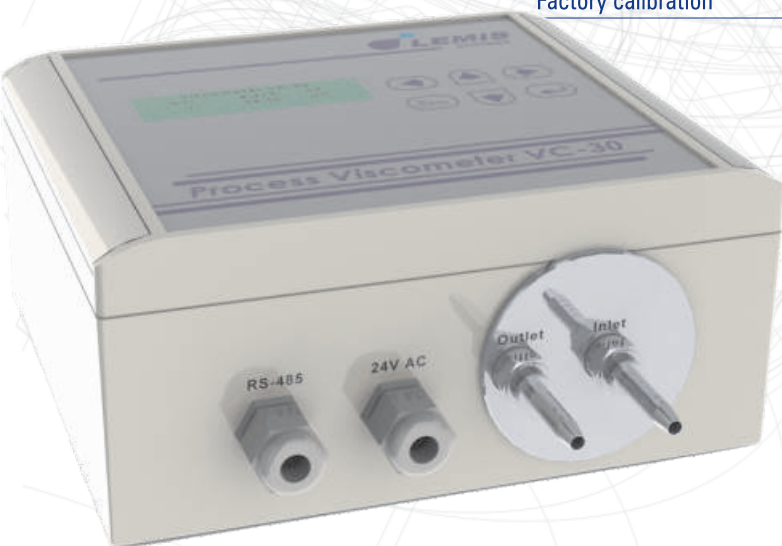
Quality Assurance	ISO 9001:2000
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Factory calibration	Calibration certificates supplied as standard
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Quality in process

In most cases viscometers presented in the market are bulky and require significant flow rates to be effective. VC-30 is a brand new Process Viscometer which able to manage very low flow rates. Based on resonant tube technology, where frequency changes of the sensitive element in measured liquid. VC-30 gives high accurate Dynamic Viscosity values continuously.

Design of the instrument performed in a way that VC-30 has no pressure or flow effect on the measurements. Therefore VC-30 is an obligatory element of process control systems and a best solution for process viscosity!



For more information please visit www.lemis-process.com



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