

Environment

Ambient temperature range	-40 to +60°C (-40 to +140°F)
Process temperature range	-40 to +120°C (-40 to +248°F)
Storage temperature	-40 to +60°C (-40 to +140°F)
Climatic protection	IP 66 / NEMA 4X

Safety : ATEX II 2 G (compatible with installation in zone 1, division 1, groups C & D)

Transducer classification	Ex d IIB T6 to T3 / LCIE 04 ATEX 6047 X
Enclosure classification	Ex ia IIB T6 / LCIE 04 ATEX 6071 X
Remote control	Ex ia IIC T4 / LCIE 03 ATEX 6240 X

Mechanical

Flange rating	ANSI 150 / 300 / 600 / 900
Meter body materials	Low temperature steel ASTM A350 LF2 / A333 Gr 6
Carbon steel	ASTM A105 / A106
Austenitic stainless steel	ASTM A182 F316 / A312 TP 316
Duplex (upon request)	

Performances

Accuracy	±0.15 % (10:1) : refer to paragraph "Measurement Principle and Operating Range" page 3
Repeatability	In compliance with API recommendations
Standard fluid velocity range	1 m/s to 10 m/s (3.28 fts to 32.8 fts)
Viscosity range	Refer to paragraph "Measurement Principle and Operating Range" page 3
Density range	400 to 1,500 kg/m ³
Reynolds number range	≥ 10 000

Electronics

Power supply	18 to 36 Vdc 8W – 110 to 220 Vac ± 15 %
Inputs	2 off 4-20 mA (temperature, pressure)
Outputs	2 off 4-20 mA (Flowrate and/or VOS) 2 off pulses with galvanic separation 2 dry contacts (Alarms)
Communications/Serial link	Configuration and analysis PC software
Software	Configuration and analysis PC software FHview

Installation conditions

Standard	10D & flow conditioner upstream, 5D downstream
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Options

LCD Local display	4 alphanumeric lines
Data & Event logger	Flowrates, VOS, Gain,...
Remote converter	Distance < 5m
Calibration	Multi-product
Interface detection	Through 4-20 mA and/or Modbus

Approvals

Custody transfer	OIML R117-1 / MID (Class 0.3)
ATEX	94/9/CE compliant
PED	97/23/EC & ASME compliant
EMC	2004/108/EC compliant