

TM04A/TM04D, 1/2"

Anodized Aluminum / Stainless Steel

- Only two moving parts
- No metal to metal contact in chamber or bearings
- Electronic = Gland-less meter
- Patented 'Wave Form' oval gear design
- Low differential pressure for maximum flow

Specifications

- Nominal Capacity on 1 cSt viscosity with 10:1 turndown:
 10 GPM = 38 lpm
 600 GPH = 2250 lph
- Pressure Rating at 100°F (38°C), with 3:1 Safety Factor: TM04A : 1500 PSI = 103 BAR TM04D : 1500 PSI = 103 BAR

• Temperature Rating:

Design: -40°F/+300°F = -40°C to +150°C Temperature ratings under UL & ATEX listings may differ. See register specifications for temperature range rating for electronics.

• Connections:

1/2" ports in meter case, FNPT standard, FBSP optional.

• Materials:

TM04A Case :	Hardcoat anodized aluminum
Seal :	Viton™ standard, Teflon™ optional
TM04D Case :	316 Stainless Steel
Seal :	Teflon™ standard.
Posts :	316SS Hard Chrome coated
Gears Std. :	PPS (polyphenylene sulfide resin)

- Pulser: Hall Effect or Reed Switch (for battery powered registers)
- Nominal Pulse Resolution:

	On 1 cSt viscosity	On 100 cSt viscosity
Hall Effect:	±805 PPG (212 ppl)	±777 PPG (205 ppl)
Reed Switch:	±201 PPG (53 ppl)	±194 PPG (51 ppl)

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Flow Sensor without display



With CC56 register in NEMA 7/4X (= explosion & water proof) enclosure

Meter Performance

Linearity* Over 10:1 turn-down from nominal capacity: ±0.5% with electronic enhancements: ±0.25%

* This flow meter will operate with up to 30:1 turn-down. However, extended operating range, will result in greater flow meter error at the low end.

Repeatability 0.25% under constant conditions

Approvals

- Flow Meter CE mark
- Pulsers UL, cUL & ATEX listed; Intrinsically Safe when powered through a UL or ATEX listed barrier with appropriate rating.

Optional Registration, Signals & Accessories

Registers, Totalizers & Batch Controllers	
CC56	Battery powered register, NEMA 4X or NEMA 7/4X
ELNC	AC or DC, NEMA 4X
PC58	DC, Totalizer/Rate Meter
PDB180	AC or DC batch controller, opt. 4-20 mA signal
EMR ³	DC, register/preset, serial port for PC interface, optional with temperature compensation

• Signal Conditioners:

 EL6630 PIA-300, Pulse Isolator, Amplifier & Splitter, with sinking & sourcing output signal.
 EL0410-7 SCL, Scaler, Calibrator and/or Linearizer for EMR³ please consult for selection & pricing.







With CC56 register in NEMA 4X (= water & dust proof) enclosure