



SERV' INSTRUMENTATION



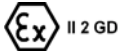
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Series 8600MP–8700MP

Master-Touch™ Series 8600MP–8700MP flowmeters are inline style instruments with all electronics mounted integrally on the flow section. The standard configuration includes a 2-line, 16-character display and LightWIRE™ infrared communications capability. All input power and signal output connections are accessible through the double-sided enclosure. Flow sections for pipes 3/4" and larger have flow straightening screens as standard. Flow sections for pipes up to 2½" have MNPT ends as standard; flow sections for pipes 3" and up have ANSI 150lb. Class flanges as standard. Depending on the line size, a variety of alternatives are available, including ANSI 300lb. and DN flanges, butt ends, tri-clover fittings, etc. Consult factory for details.

Specifications

Linear signal output	0–5 VDC & 4–20 mA
Signal Interface	RS232 & RS485
Accuracy, including linearity (Ref.: 21°C)*	±[1% of Reading + (.5% + .02%/°C of Full Scale)]
Repeatability	±0.2% of Full Scale
Sensor response time	1 second
Turn down ratio	100:1 minimum
Electronics temperature range.....	0°–50°C (32°–122°F), extended temperature optional
Gas temperature range*	-40°–200°C (-40°–392°F), extended range available
Gas pressure effect.....	Negligible over ± 20% of absolute calibration pressure
Pressure rating maximum	500 PSI Std., > 500 PSI special
Input power requirement	24VDC @ 250mA 115 VAC 50/60 Hz optional 230 VAC 50/60 Hz optional
Flow Transmitter power requirements	5 watts maximum
Wetted materials	316 Stainless Steel (Hastelloy and Monel optional)
Standard temperature & pressure (STP)	70°F & 29.92" Hg (Air .075 lb./cubic foot)
NIST traceable calibration	Standard
Flow Transmitter enclosure:	
Class I Division 1 Groups B, C and D; Class II E, F and G; Class III; Type 4X, 7; Ex d IIC; AEx d IIC, IP66; EEx d IIC, IP66; T2 (consult factory for T3 or T4).	
Certified to US requirements; Certified to Canadian requirements 	
Certified to European ATEX requirements  	KEMA 04 ATEX 2276

* The accuracy specification applies to the instrument only. EPI is not responsible for measurement errors due to flow profile irregularities caused by installation piping configurations, corrosion on inner pipe surfaces, valve placement, etc.

**SSM option required for 100°–200°C (212°–392°F)

Specifications subject to change without notice.

