



Series 8200MPNH

Master-Touch™ Series 8200MPNH flowmeters are intended for use in non-hazardous environments. They are insertion style flowmeters with the flow transmitter mounted on the sensor probe assembly and the signal processor electronics remotely mounted in a separate enclosure. The standard configuration includes a 2-line, 16-character display and LightWIRE™ infrared communications capability. A variety of installation options are available, including ball valve retractor assemblies, tube to pipe compression fittings, and probe mounted flanges. Input power is supplied to the remote electronics. This configuration uses only a two-wire connection between the flow transmitter and the signal processor.

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
Flow Transmitter enclosure	NEMA 4X, ABS plastic with clear polycarbonate cover, 5" x 5" x 4"
Signal Processor enclosure	NEMA 4X, ABS plastic with opaque cover, 5" x 5" x 4"
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

MPNH Series for use in Ordinary (Non-Hazardous) area locations: Type 4X, IP66

* 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.

