



SERV' INSTRUMENTATION

Mesure et Contrôle vos fluides
 ZI Broteau Nord
 69540 Irigny
 TEL 33 (0)4 78 51 47 50
 FAX 33 (0)4 78 51 59 96
<http://www.servinstrumentation.fr>



Series 8800MPNH

Master-Touch™ Series 8800MPNH flowmeters are intended for use in non-hazardous environments. They are insertion style flowmeters with all electronics mounted integrally on the sensor probe assembly. 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. 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
Flow Transmitter enclosure	NEMA 4X, ABS plastic with clear polycarbonate 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.

