**Series 8600MPNH–8700MPNH**

Master-Touch™ Series 8600MPNH–8700MPNH flowmeters are intended for use in non-hazardous environments. They are inline style flowmeters with all electronics mounted integrally on the flow section. The standard configuration includes a 2-line, 16-character display and LightWIRE™ infrared communications capability. Flow sections for pipes ¾" and larger have flow straightening screens as standard. Flow sections have MNPT ends as standard. Depending on the line size, a variety of alternatives are available, including ANSI 150#, 300#, 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
- **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.