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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

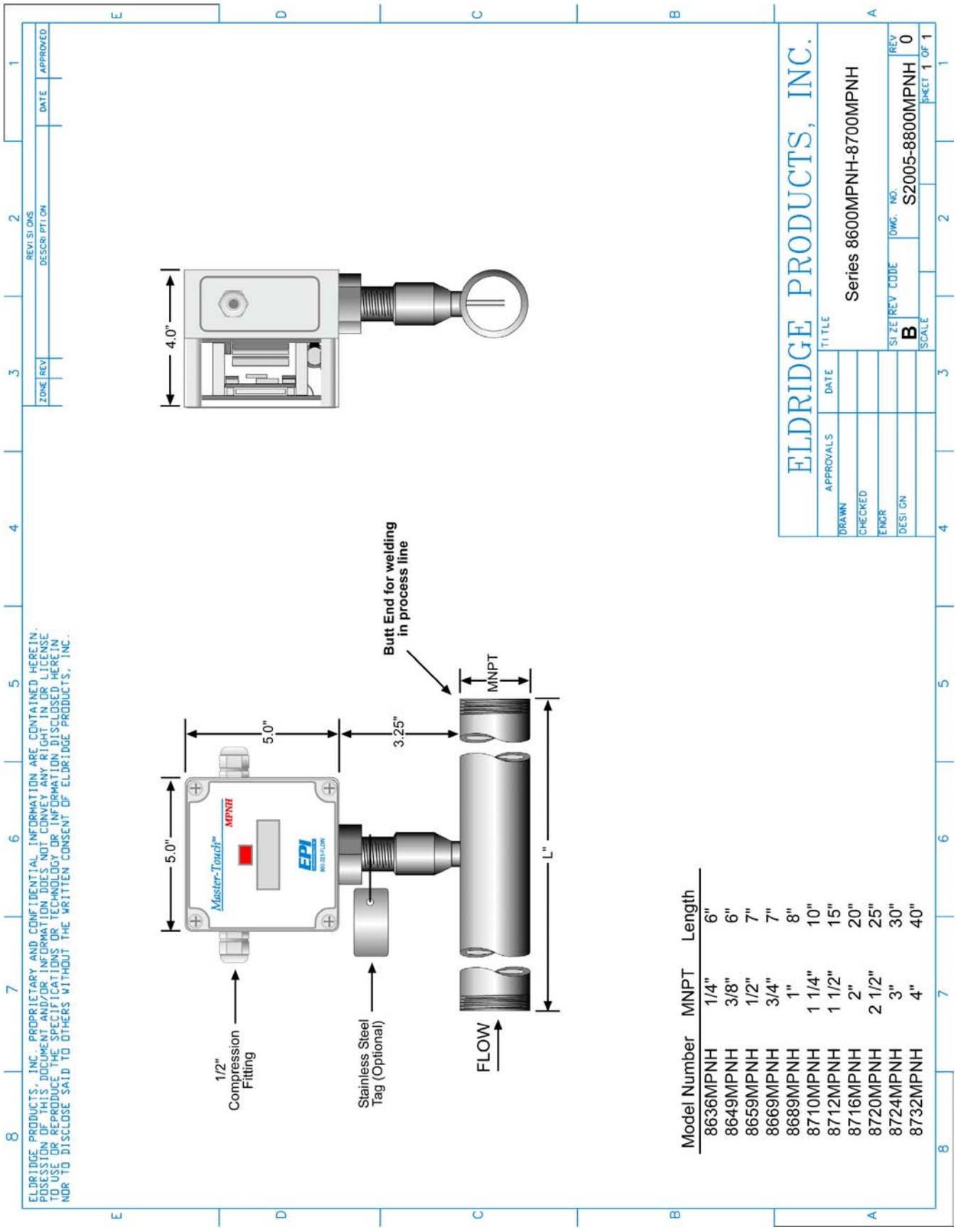
Linear signal output	0–5 VDC & 4–20 mA
Signal Interface	RS232 & RS485
Accuracy, including linearity (Ref.: 21°C)*	±[1% of Reading + (.5% + .02%/°C of Full Scale)]
Repeatability	±0.2% of Full Scale
Sensor response time	1 second
Turn down ratio	100:1 minimum
Electronics temperature range	0°–50°C (32°–122°F), 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.



Model Number	MNPT	Length
8636MPNH	1/4"	6"
8649MPNH	3/8"	6"
8659MPNH	1/2"	7"
8669MPNH	3/4"	7"
8689MPNH	1"	8"
8710MPNH	1 1/4"	10"
8712MPNH	1 1/2"	15"
8716MPNH	2"	20"
8720MPNH	2 1/2"	25"
8724MPNH	3"	30"
8732MPNH	4"	40"