

M2540 SYSTEM



INSERTION PADDLEWHEEL FLOW SENSOR & RATE INDICATOR / TOTALIZER



FLOW SENSOR SPECIFICATIONS

- Power: 24VDC
- Output: Square Wave
- Pipe Size Range: 1.5" to 24"
- Velocity Range: 0.3 to 30 fps
- Flow Range: (see chart below)
- Accuracy: +- 2% of full scale
- Repeatability: +- 0.5% of full scale
- Temperature Range: 200° F maximum
- Pressure: 250 PSI maximum @ 70° F
- Process Connection: 1.5" MNPT
- Conduit Connection: 0.5" FNPT
- Weight: 2.5 Lbs.
- Cable: 3-conductor shielded twisted pair, 22 AWG, 25' standard, 200' max.
- Options: Hot tap configuration
- Wetted Materials
 - Body & Fitting: 316 SS
 - Rotor: Stainless Steel
 - Shaft: Tungston Carbide
 - O-ring: Viton

The Model 2540 Insertion Paddlewheel Flow Sensor provides a reliable and economical means of monitoring flow. One size sensor is field adjustable for use in 1.5" to 24" diameter pipes. A standard 1.5" NPT process connection allows easy installation through standard pipe fittings and saddles.

The remote indicator displays flow rate and total flow. Features include alarm relays and a large bright LED display.

TYPICAL APPLICATIONS

- Potable Water
- Cooling Water
- Irrigation Systems
- HVAC
- Condensate
- Pump Protection
- Boiler Feed Water
- Groundwater

INDICATOR SPECIFICATIONS

- NEMA 4X, IP65 Front
- Universal 85-265 VAC or 12/24 VDC Input Power
- Large Dual-Line 6-Digit Display, 0.60" & 0.46"
- Programmable Displays & Function Keys
- 2 or 4 Relays + Isolated 4-20 mA Output Options
- RS-232, RS-485 Serial Communication Options
- Modbus® RTU Communication Protocol Standard
- Display Rate & Total at the Same Time
- Rate in Units per Second, Minute, Hour, or Day
- Total, Grand Total or Non-Resettable Grand Total
- Password Protection for Total Reset
- 9-Digit Totalizer with Total Over ow Feature
- Total Stored in Non-Volatile Memory
- 4.7"W x 2.5"H x 5"D

Pipe Size (in.):	1.5	2	3	4	6	8	10	12	14	16	20	24
Min Flow (GPM):	1.65	2.94	6.63	11.76	26.46	47.10	73.50	105.90	144.00	188.10	294.00	423.30
Max Flow (GPM):	165	294	662	1176	2646	4704	7350	10584	14406	18816	29400	42336

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