

OAP-1000



SALTWATER DISPOSAL FLOWMETER

- Low Power - 12mA
- Voltage Required – 12VDC
- No Moving Parts
- 2-Wire, 4-20mA Output or 5.0 Volt Pulse Output Standard

TYPICAL APPLICATIONS

- Water
- Polymers
- Wastewater
- Lime Slurries
- Dyes
- Process Chemicals
- Caustics
- Slurries
- Acids
- Starches

ELECTROMAGNETIC FLOWMETERS

The OAP-1000 is available with Polypropylene, Ebonite or PTFE liner and local or remote mounted converter.

OAP-1000 FEATURES

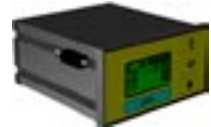
· Accuracy to $\pm 0.2\%$ of rate from 3 to 33 ft/sec.
· Lower cost than flanged units.
· Eleven sizes from 1" to 16" Pipe Diameters.
· Flow ranges from 2.37 to 19,934 GPM.
· Standard pressure: 230 PSI.
· Volumetric flow rate measurement independent of fluid viscosity, density and temperature.
· No moving parts for zero maintenance.
· Bi-directional flow measurement.
· No pressure drop through sensor.
· Optional integral ground electrode eliminates grounding rings with plastic piping systems.
· Minimal straight pipe run required.
· Every sensor is factory wet-calibrated.



OAP-110 Converter



OAP-210W Converter with Graphics Display (wall mount version)



OAP-210P Converter with Graphics Display (panel mount version)

APPLICATIONS

- Chemical & Saltwater Disposal Flowmeter

Recommended Materials for Saltwater Disposal

- Teflon Liner
- Hastelloy C Electrodes

ENGINEERING SPECIFICATIONS

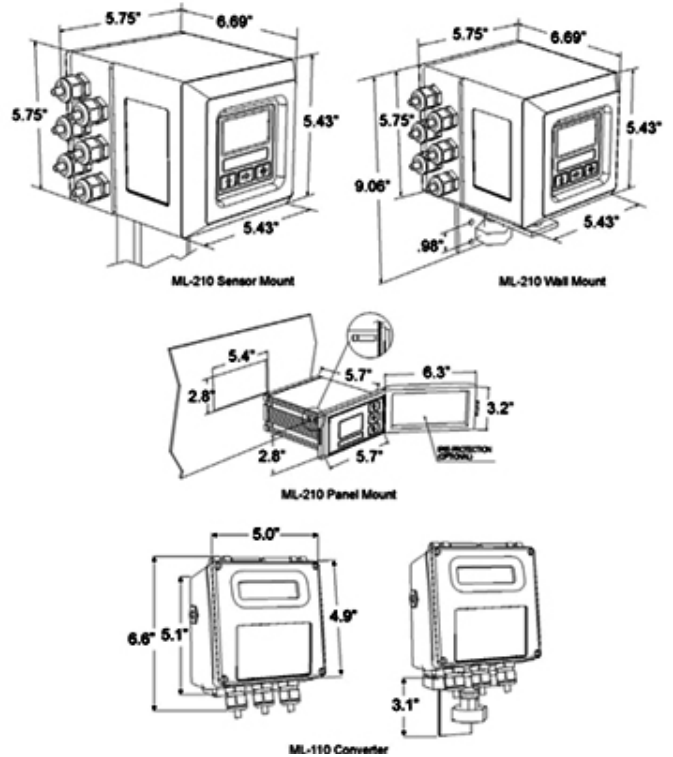
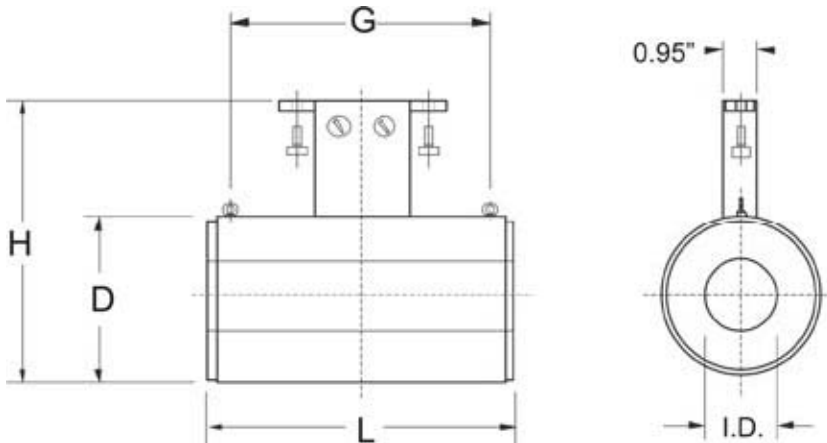
OAP-1000 Flow Sensor

• Accuracy: ML210: $\pm 0.2\%$ of rate from 3 to 33 ft/sec. ML110: $\pm 0.4\%$ of rate from 3 to 33 ft/sec. • Repeatability: $\pm 0.1\%$ • Temperature (Process) +32 to 140°F (PP) +23 to 175°F (Ebonite) -4 to 212°F (PTFE Compact) -4 to 302°F (PTFE Remote) • Pressure: 230 PSI Std. (higher pressures upon request) • Liner Material: PTFE, Ebonite or Polypropylene • Flow Tube: Carbon Steel, Painted or 304/316 S.S. (optional) • Electrode Material: 316 S.S.* • Number of Electrodes: 2 (3rd grounding electrode optional) • Environmental Rating: NEMA 6 • Fluid Conductivity: 5 $\mu\text{S}/\text{cm}$ (min) • Connections: Wafer tightening between ANSI 150 flanges • Case Material: Carbon steel with two-part epoxy coating, S.S. Optional

* Hastelloy C, Platinum-Rhodium or Tantalum electrodes optional (other upon request).

DIMENSIONS

Size (in.)	1	1-1/2	2	3	4	6	8	10	12	14	16
Min flow rate (gpm @ 1 ft/sec)	2.37	6.08	9.49	24.30	37.97	85.44	151.9	237.3	341.8	465.2	607.6
Max flow rate (gpm @ 33 ft/sec)	77.9	199.3	311.5	797.4	1246	2803	4984	7787	11213	15262	19934
Weight (lbs.)	2.7	4.0	4.4	8.4	11.0	18.1	40.1	52.9	59.5	70.6	86.0
Length (L below)	3.94	3.94	3.94	5.91	5.91	7.09	7.87	9.84	11.81	13.78	15.75
Height (H below)	5.79	6.34	6.97	8.23	9.25	11.46	14.25	16.42	18.39	20.75	22.80
Lifting Ring Distance (G below)	-	-	-	-	-	-	5.67	7.64	9.61	11.58	13.54



OAP-1000 Sensor



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