

EM 101

LOW-FLOW MAGNETIC FLOW METER SPECIFICATIONS

EM 101-025
EM 101-038
EM 101-050



GENERAL INFORMATION

The EM101 is a small plastic-bodied electromagnetic flow meter, in nominal maximum flow rates of 1, 3, and 8 gpm. Capable of measuring the pulsating flows from air and solenoid-driven metering pumps, the meter is primarily designed for electrically-conductive chemicals. In addition to measuring and displaying flow rate and total flow, this unit has a variety of outputs. For continuous transmission of a flow signal, there is a 4-20 mA, and 0-5 Volt signal, and a frequency signal proportional to flow. In addition, there are relay alarm outputs for low and high flow with user-set flow levels.



SPECIFICATIONS

MATERIALS

- Wetted Materials -
- Body: Kynar™ PVDF
 - Electrodes: Platinum coated titanium
 - Internal Seals: Viton™
- Housings -
- Primary Element: Fusion coated aluminum
 - Control / Display: Polycarbonate

POWER

- 115 VAC, 60 Hz, optional 220 VAC/50Hz

ACCURACY

- +/- 1% of reading, above 10% of full scale
- +/- 3% of reading, below 10% of full scale

MAXIMUM FLUID TEMPERATURE

- 185° F

MAXIMUM PRESSURE

- 150 PSI (@ 75° F)

MINIMUM CONDUCTIVITY

- 20 micro Siemens

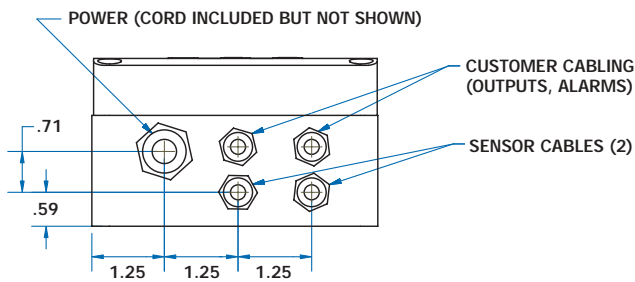
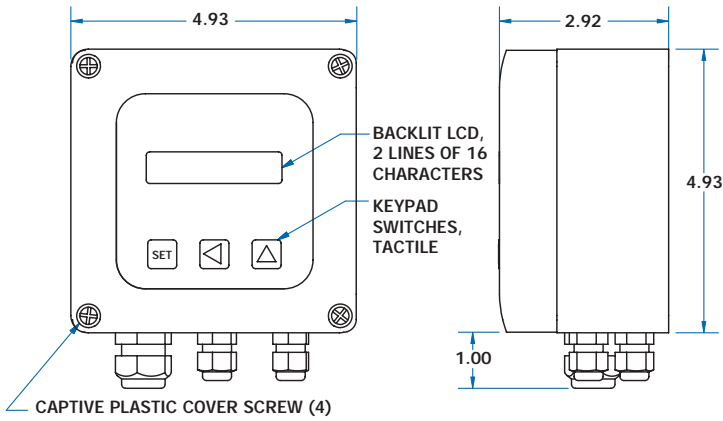
OUTPUTS

- 4-20 mA, 0-5 Volts (both isolated)
- Frequency to 9999 pulses per gallon, Isolated 10 mH, 30 VDC
- High alarm, low alarm relay, Isolated (100 mA, 110 VAC/VDC)

FLOW RANGE

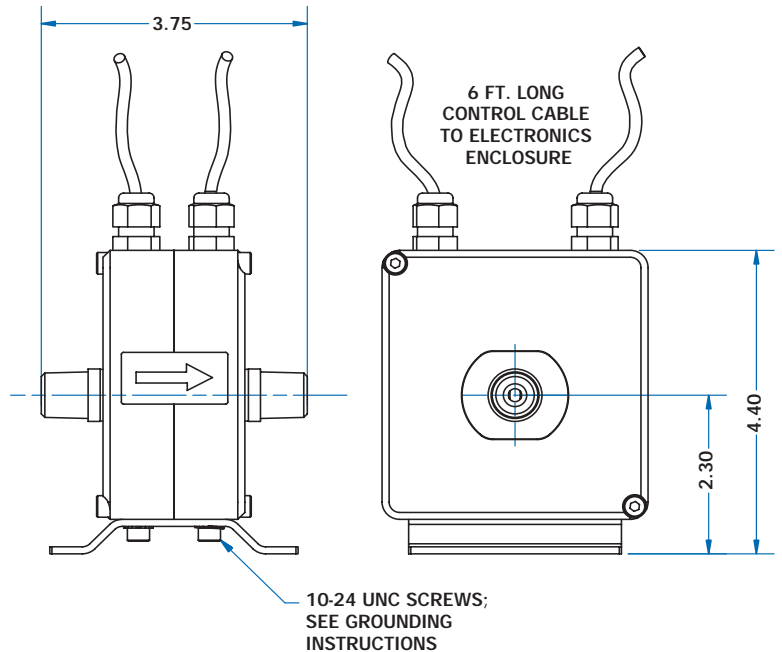
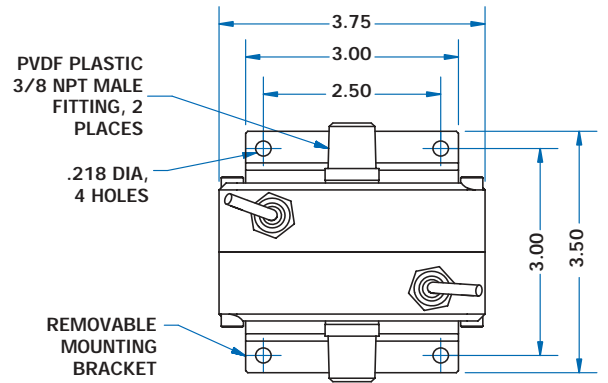
SIZE	NOMINAL FULL SCALE			MIN. FOR 1% ACCURACY			LOW FLOW CUTOFF		
	L/MIN.	GAL./MIN.	GAL./HR.	L/MIN.	GAL./MIN.	GAL./HR.	L/MIN.	GAL./MIN.	GAL./HR.
-025	3.8	1	60	.38	0.1	6	.04	.009	.54
-038	11	3	180	1.1	.3	18	0.1	.025	1.5
-050	30	8	480	3.0	.8	48	.25	.065	3.9

1-800-975-8153



CONTROL HOUSING

PRIMARY ELEMENT



HOW TO ORDER

EM-101 LOW-FLOW MAGNETIC FLOW METER

SELECT BY FLOW RANGE

EM 101-025....	.54 - 60	GPH
EM 101-038....	1.5 - 180	GPH
EM 101-050....	3.9 - 480	GPH
	FLOW RANGE	



19026 72ND AVE SOUTH, KENT, WA 98032 USA
 (P) 253.872.0284 | (F) 253.872.0285
 WWW.SEAMETRICS.COM | 1.800.975.8153