



GEM2 Electromagnetic Flow Meter: Product Data Sheet

FLOW MEASUREMENT	
Accuracy	
5% - 100% of max flow:	±0.5% of reading
Cutoff - 5% of max flow:	±1% of reading
Measurement Frequency	
Battery powered:	1/15 Hz
External powered:	5.5 Hz Maximum
Flow Speed Range	
0.3 - 40ft/s (0.1 – 12.2 m/s)	

POWER	
Battery Pack	3.6V 19Ah Li-SOCL2x5
Battery Replacement	Supported
External Power	8-32 V DC/AC

OUTPUT	
Pulse / Frequency	Opt. iso., dry contact
Serial	Modbus via RS-485
Analog	4-20mA
Bluetooth	Enabled

ENCLOSURE RATING
IP68

CERTIFICATIONS
NSF/ANSI/CAN61 (Rubber liners 4" and Above)
UL/ETL/CSA/CB/CE/IEC 61010-1
EMC 61326-1

USER INTERFACE
Display Contents
Flow Rate, Non-resettable Totalizer, Resettable Job Totalizer, Battery Level, Power Source, Error/Warnings, Bluetooth Connection
Display Size
Rate: 6 digits; Total: 9 digits
Rate Units
GPM, LPM, LPS, CFM, CFS, CMH, MGD, MLD, BBL/min
Total Units
Galx100, Gal, Ac-In, Ac-Ft, L, Lx1000, ML, CM, CMx1000, CF, CFx1000, AC-In, AC-FT, BBL

DISPLAY WARNINGS
Empty Pipe
Excitation Error
Reverse Flow

WORKING CONDITIONS	
Temperature	Neoprene: 10-140 °F PTFE: -4-212°F
Max Pressure	290 PSI
Conductivity	>10 µS/cm

LINER & ELECTRODE OPTIONS
Neoprene rubber w/ 316 SS PTFE w/ titanium

DATA LOGGER (OPTIONAL)
10-min logging interval with 10 years of storage and drive-by data retrieval via Bluetooth app