

SEB

Low Flow Meter Instructions

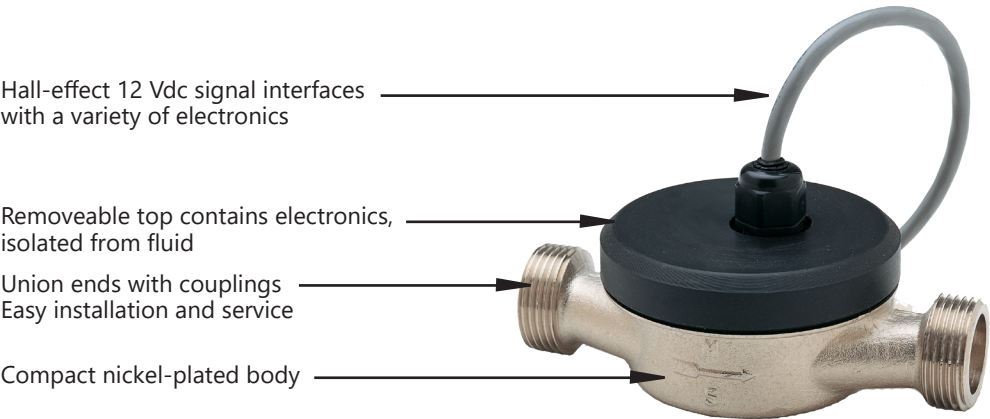


The SEB is a plated brass low flow meter suited for clean water. It is available in 1/2" and 3/4" thread, with union-type meter couplings for easy installation and service. This meter is ideal for flow rates between 0.2 GPM (0.76 LPM) and 18 GPM (68.14 LPM). The SEB has only one moving part, the propeller.

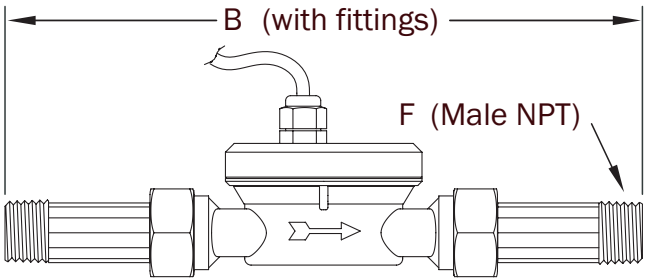
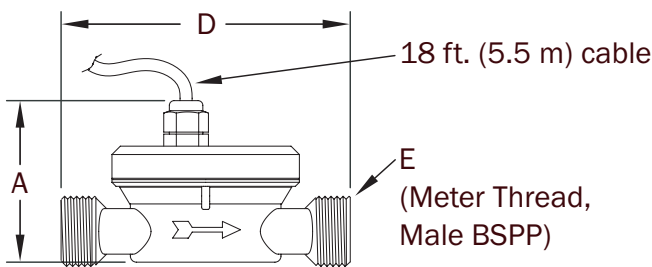
A 5-30 Vdc square wave output makes the SEB ideal for many industrial control applications. This signal interfaces easily with programmable logic controllers and computer input boards. SEB meters can also be used in conjunction with the Seametrics FT430/440 rate total indicators for reading flow rate and total flow.

Sensor		GMR 5–30 Vdc current sinking pulse
Fittings		1/2", 3/4" male NPT union couplings
Materials	Body	Nickle-plated brass
	Rotor Chamber	Brass
	Rotor	Thermoplastic
	Shaft	Tungsten carbide
	Bearings	Water-cooled thermoplastic
Maximum Temperature		185° F (85° C)
Maximum Pressure		175 psi (12 bar)
Cable		#22 AWG 3-cond, 12' Maximum run 2,000' (610 m)
Flow Range		1/2": 0.2–10 GPM (0.76–37.85 LPM)
		3/4": 0.2–18 GPM (0.76–68.14 LPM)
Standard K-Factor		1/2": 550 pulses per gallon
		3/4": 330 pulses per gallon
Accuracy		± 1% of full scale
Regulatory		CE mark
Specifications subject to change. Please consult our web site for the most current data. (seametrics.com)		

Features



Dimensions



Installation

Single-jet meters like the SEB are somewhat insensitive to upstream and downstream flow conditions. For best results, however, upstream and downstream straight pipe of five pipe diameters is recommended.

Sensor Connection



Dim.	1/2 Inch	3/4 Inch
A	2.5	2.5
B	9.2	10.4
C	2.8	2.8
D	4.35	5.1
E	3/4 in. BSPP	1 in. BSPP
F	1/2 NPT	3/4 NPT

Maintenance

The SEB’s Hall-effect sensor and cap are field-replaceable.

The limited warranty set forth below is given by Seametrics, with respect to Seametrics brand products purchased in the United States of America.

Seametrics warrants that products manufactured by Seametrics, when delivered to you in new condition in their original containers and properly installed, shall be free from defects in material and workmanship. **Seametrics products are warranted against defects for a minimum period of two (2) years from date of installation, unless otherwise specified, with proof of install date. If no proof of install date can be provided, warranty period will be two (2) years from date of shipment from Seametrics, as defined on Seametrics' invoice.** Seametrics' obligation under this warranty shall be limited to replacing or repairing the part or parts, or, at Seametrics' option, the products, which prove defective in material or workmanship. The following are the terms of Seametrics' limited warranty:

- a. Buyer must give Seametrics prompt notice of any defect or failure and satisfactory proof thereof.
- b. Any defective part or parts must be returned to Seametrics' factory or to an authorized service center for inspection.
- c. Buyer will prepay all freight charges to return any products to Seametrics' factory, or another repair facility, as designated by Seametrics.
- d. Defective products, or parts thereof, which are returned to Seametrics and proved to be defective upon inspection, will be repaired to factory specifications.
- e. Seametrics will deliver repaired products or replacements for defective products to the buyer (ground freight prepaid) to the destination provided in the original order.
- f. Products returned to Seametrics for which Seametrics provides replacement under this warranty shall become the property of Seametrics.
- g. This limited warranty covers all defects encountered in normal use of Seametrics products, and does not apply to the following cases:
 - i. Loss of or damage to Seametrics product due to abuse, mishandling, or improper packaging by buyer
 - ii. Failure to follow operating, maintenance, or environmental instructions prescribed in Seametrics' instruction manual
 - iii. Products not used for their intended purpose
 - iv. Alterations to the product, purposeful or accidental
 - v. Electrical current fluctuations
 - vi. Corrosion due to aggressive materials not approved for your specific product
 - vii. Mishandling, or misapplication of Seametrics products
 - viii. Products or parts that are typically consumed during normal operation
 - ix. Use of parts or supplies (other than those sold by Seametrics) which cause damage to the products, or cause abnormally frequent service calls or service problems
- h. A new warranty period will be established for repaired products, or products replaced during the original warranty period.
- i. In the event that equipment is altered or repaired by the buyer without prior written approval by Seametrics, all warranties are void. Damage caused by equipment or accessories not manufactured by Seametrics may void the product's warranty.
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