

**CERTIFIED COMPAN** 

# SEB Low Flow Meter

# **FEATURES**

- · Single-jet meter
- · Compact brass body
- Union couplings
- · Easy installation and maintenance
- · Interfaces with many controls and displays

## **APPLICATIONS**

- Industrial control operations
- Low flow situations
- · Clean water



## **GENERAL INFORMATION**

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 FT420 flow computer for reading flow rate and total flow, or A055 for 4-20 mA output. For metering pump pacing applications, a standard PD10 pulse divider is recommended.

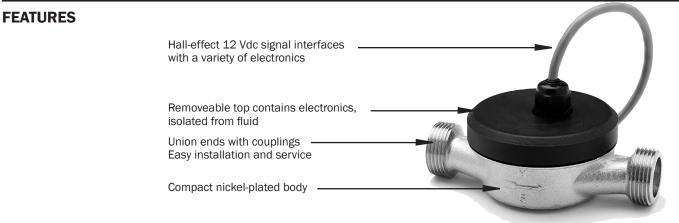
# **SPECIFICATIONS\***

Sensor		GMR 5-30 Vdc current sinking pulse
Fittings		1/2", 3/4" male NPT union couplings
Materials	Body	Nickel-plated brass
	Rotor Chamber	Brass
	Rotor	Thermoplastic
	Shaft	Tungsten carbide
	Bearings	Water-cooled thermoplastic
Maximum Temperature		185° F (85° C)
Maximum Pro	essure	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		<b>(E</b> Mark

\*Specifications subject to change. Please consult our website for the most current data (www.seametrics.com).



SEB Low Flow Meter

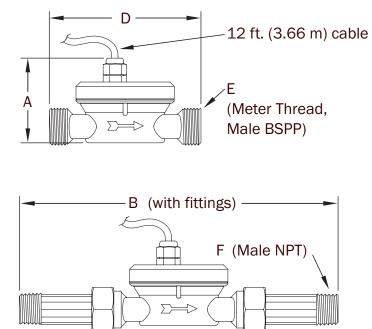


## **INSTALLATION and MAINTENANCE**

**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.

**Maintenance.** The SEB's Hall-effect sensor and cap are field-replaceable.

#### DIMENSIONS



	(White)	-Signal	
$\frown$	(Black)	- ()	
	(Red)	(-) -(+)	_Power 5-30Vdc

SENSOR CONNECTION

Dim.	1/2 Inch	3/4 Inch
А	2.5	2.5
В	9.2	10.4
С	2.8	2.8
D	4.35	5.1
E	3/4 in. BSPP	1 in. BSPP
F	1/2 NPT	3/4 NPT

#### **HOW TO ORDER**

MODEL	SIZ	E
SEB		= -050 = -075
SEB		
ACCESSOR	IES	
Remote rate and total display = FT420W 4-20 mA output = AO55W		Pulse divider = PD10

## **CONTACT YOUR SUPPLIER**