ISO 9001:2000 CERTIFIED

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 and 18 GPM. 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 AO55 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	Thermoplastic
	Rotor	Thermoplastic
	Shaft	Tungsten carbide
	Bearings	Sapphire, graphite
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 gallons per minute
		3/4": 0.2 - 18 gallons per minute
Standard K-Factor		1/2": 550 pulses per gallon
		3/4": 330 pulses per gallon
Accuracy		+/- 1% of full scale

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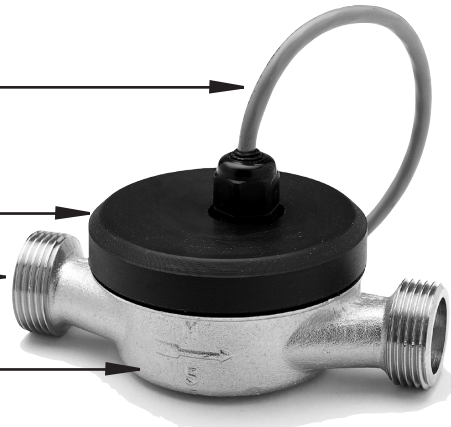
FEATURES

Hall-effect 12 Vdc signal interfaces with a variety of electronics

Removeable top contains electronics, isolated from fluid

Union ends with couplings
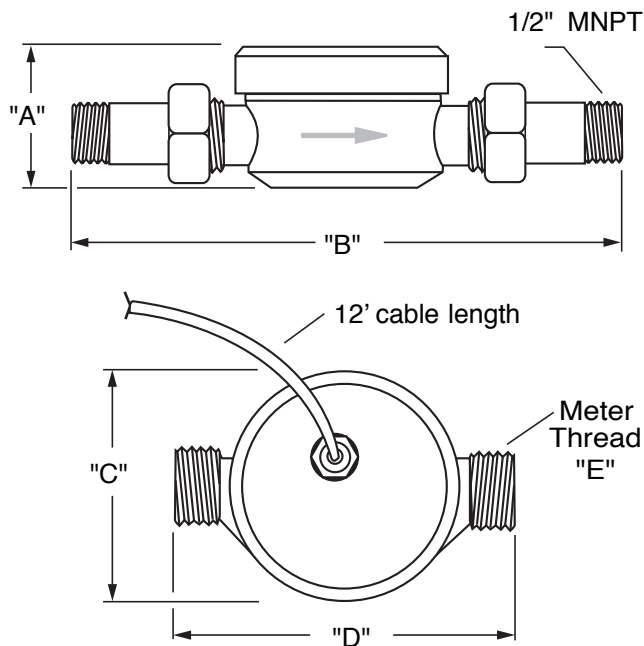Easy installation and service

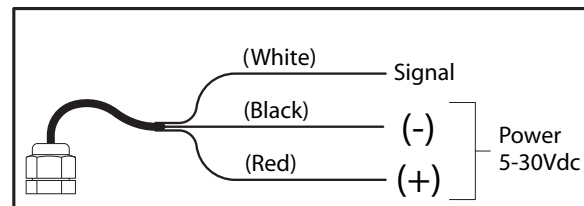Compact nickel-plated body

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

1/2" MNPT

"A"

"B"

12' cable length

Meter Thread "E"

"C"

"D"

SENSOR CONNECTION

(White) — Signal

(Black) — (-)

(Red) — (+)

Power 5-30Vdc

Dimension	1/2"	3/4"
A	2.5	2.5
B	9.2	10.4
C	2.8	2.8
D	4.35	5.1
E	3/4" BSP	1" BSP

HOW TO ORDER

MODEL	SIZE
SEB	1/2" = **-050**
	3/4" = **-075**
SEB	

ACCESSORIES
Remote rate and total display = **FT420W**   Pulse divider = **PD10**
4-20 mA output = **AO55W**

CONTACT YOUR SUPPLIER