

# SEM-10SS

### Stainless Steel Electronic Flow Meter





## Accurate, Reliable Metering

The Scienco SEM-10SS stainless steel electronic flow meter employs positive displacement nutating disk technology to meter liquids of various viscosities with great accuracy and nominal pressure loss. With the largest LCD display available on the market, large positive touch buttons and simple one-touch operation, the SEM-10SS flow meter is easy to read and to use. Its stainless steel and plastic construction provides increased resistance to corrosion. This multiple use non-commercial meter mounts directly to the pump discharge via a one-inch stainless steel rear port and may be used with many pesticides, chemicals and petroleum products.

### **Applications**

- Agriculture
- Chemical transfer
- Non-flammable liquids
- · Light oils
- Inks
- Automotive fluids

## **Operating Parameters**

- Flows from 0.5 to 6.8 m<sup>3</sup>/h (2 to 30 gpm)
- Pressures to 6.9 bar (100 psi)
- Temperatures to 85°C (185°F)
- Accuracy to +/- 0.5%
- Totals to 999 999

#### Features and Benefits

Stainless Steel Housing is durable and corrosion resistant

**Positive Displacement Nutating Disk Design** meters liquids of various viscosities with great accuracy and minimal pressure loss

Simple, One-touch Operation with large, positive touch buttons

**LCD Display** measures 20 mm (0.75 in) and is the largest on the market

Choice of Three Calibration Modes to suit application needs

**25 mm (1 in) Rear Mounting Port** allows meter to be mounted directly to the pump discharge. Side port measures 25 mm (1 in)

Extended Battery Life is provided by one 3-volt lithium battery

**Auto Shut-off** after 40 seconds of inactivity saves battery life. Auto wake-up occurs once pumping resumes



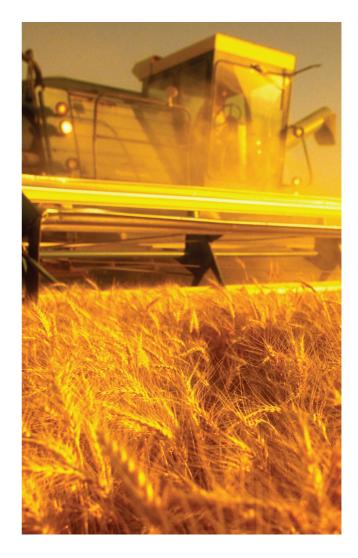
### Materials of Construction

Component	Material
Meter Housing	Stainless steel
Meter Chamber	Polyphenylene sulfide (PPS) and stainless steel
0-rings	Viton® (EPDM optional)
Electronics Body	Nylon®
Screws	Stainless steel

Note: Ensure chemical compatibility between liquid metered and the meter's wetted parts prior to use.

 $<sup>^{\</sup>tiny{\textcircled{\tiny{\textbf{0}}}}}$  Viton and Nylon are registered trademarks of the DuPont Company.





## **Bulletin PSS-90-20.14b (E)** Printed in USA. August 2008. © Flowserve Corporation

### To find your local Flowserve representative:

For more information about Flowserve Corporation, visit www.flowserve.com or call USA 1 800 728 PUMP (7867)

### **USA** and Canada

Flowserve Corporation 5215 North O'Connor Blvd. Suite 2300 Irving, Texas 75039-5421 USA Telephone: 1 937 890 5839

### **Flowserve Corporation**

Scienco Pumps 5599 E. Holmes Road Memphis, Tennessee 38118 USA Telephone: 1 800 343 7867 Telefax: 1 901 259 3946

### Europe, Middle East, Africa

Flowserve Corporation Gebouw Hagepoint Westbroek 39-51 4822 ZX Breda Netherlands Telephone: (31) 76 502 8920

### **Latin America**

Flowserve Corporation Boulevard del Cafetal Edificio Ninina, Local 7 El Cafetal - Caracas Venezuela 1061 Telephone: 58 212 985 3092 Telefax: 58 212 985 1007