



# Scienco™ SEM-100 and SEM-100FT

Fixed mounting and flow-through electronic flow meters



## Accurate metering made simple

Scienco SEM-100 and SEM-100FT electronic flow meters employ 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, positive touch buttons and simple one-touch operation, the SEM-100 and SEM-100FT flow meters are easy to read and to use.

### Two models

The SEM-100 meter mounts directly to the pump discharge via a 25 mm (1 in.) rear port. The flow-through configuration of the SEM-100FT enables the meter to be mounted at the hose end.

### Features and benefits

**Fixed mounting or flow-through configurations** provide application flexibility.

**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.), is the largest on the market, and features an anti-glare screen with back light.

**Choice of three calibration modes** to suit application needs

**Extended battery life** is provided by two AAA batteries.

### 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)
- Temperatures to 55°C (130°F)
- Pressures to 4 bar (60 psi)
- Accuracy to +/- 0.5%
- Totals to 999,999

## Materials of construction

Component	Material
Meter housing	Nylon®; Polypropylene optional
Meter chamber	Polyphenylene sulfide (PPS) and stainless steel
O-rings	Viton®; EPDM optional
Electronics body	Nylon

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

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SEM-100FT flow-through flow meter with ball valve and spout

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