

# Technology with a Mission

**Saving Time • Saving Money • Conserving Resources**



**Seametrics**

# AFFORDABLE IRRIGATION FLOW

Since 1990, Seametrics has been providing high-value flow meters and controls. The guiding principles have been common sense, simplicity, economy and durability. We started with a line of mechanical meters that extended the bottom of the flow range and were easy to repair. Over the years our product family has

expanded to include a variety of compatible controls and displays. In recent years Seametrics has become a leading manufacturer of electromagnetic meters in a variety of designs suitable to a wide range of irrigation and fertigation applications. These include insertion, spool, and low-flow chemical-resistant magmeters.



## AG2000

### Flanged Magmeters

The AG2000 is a flanged electromagnetic flowmeter for use in 4" to 10" pipe in irrigation applications. The AG2000 requires limited straight pipe for installation. Because the AG2000 has no moving parts and electrodes designed to discourage fouling, this magmeter performs well and requires much less frequent maintenance than mechanical meters. The meter can be battery powered or externally powered. The AG2000 comes with built-in rate/totalizer and pulse output. Mates with numerous Seametrics remote controls and displays.

- No moving parts
- Unobstructed flow
- Simple & economical
- Optional built-in data logging
- Minimal Straight pipe requirements (2 up, 1 down)
- +/-1% at 100% - 10% of reading
- 4" = 12 - 500 GPM
- 6" = 32 - 1200 GPM
- 8" = 60 - 2200 GPM
- 10" = 95 - 3500 GPM

## WMP101/104

### Plastic-Bodied Magmeters

The WMP101/104 magmeter is a plastic-bodied full bore magmeter designed for flow and usage monitoring applications. The WMP101/104 is as simple as a mechanical meter but has no moving parts. This allows the WMP101/104 to be used in particulate-laden water applications, typical of surface water or well water in sandy soil. The built-in rate and total indicator comes with a choice of units. Although the WMP101/104 meter has female national pipe thread adapters, there are many other adapters available. It also offers corrosion resistance to a wide range of fertilizers and chemicals.

- +/-1% of reading from 100% to 10% of full scale
- 1" = 2.3 - 110 GPM
- 2" = 6 - 300 GPM
- WMP101 - 10 - 30 Vdc pulse output
- WMP104 - battery powered, no output



## PE102

### Low Flow Magmeters

The PE102 magmeter is designed for low-flow chemical and fertilizer injection or difficult-to-meter applications with pulsating metering pumps in pipe sizes .75" and below, with integrated digital and analog output. The housing is made of sturdy splash-proof HDPE plastic. The PE meter is compact enough to fit most pump/injection systems. With zero straight pipe required after an elbow, it can be easily mounted in tight spaces. The PE102 is externally DC powered, and works with Seametrics flow computers and accessories.

- .2 - 20 GPM reading across rated range of .75" and .5" models
- +/- 1%, +/- .005 GPM of reading across rated range

# METERS FOR THE 21<sup>ST</sup> CENTURY

Just-in-time manufacturing techniques and the latest in equipment hold costs down and quality up. A tremendous ongoing investment in calibration equipment has improved the product and opened new development possibilities.

To back our products, we have a wide distributor network and an extensive website that includes all of our literature in viewable and printable formats. Customer service and technical support staff are available during business hours (7 a.m. to 5 p.m. Pacific Time).

## EX100/200-SERIES

### Adjustable Depth Insertion Electromagnetic Meters

For 3" to 48" pipe sizes, the EX100/200-Series insertion magmeter offers an economical and durable alternative to spool-type meters. Sensor bodies come in brass or stainless steel. With no moving parts, they can be used in most "dirty" applications, and are virtually maintenance-free. They can be installed in standard saddle fittings. These meters are also available in a hot-tap configuration with an isolation valve to allow for installation without shutting down the line. Reverse flow output and immersibility are optional.

- +/- 1% of full scale
- EX101/115 3 - 10" pipe 6 - 4895 GPM
- EX201/215 10 - 48" pipe 4895 - 112,804 GPM



## EX80-SERIES

### Fixed Depth Insertion Electromagnetic Meters

Designed for use in 1" to 12" pipe, the EX80 insertion magmeter is durable and virtually maintenance-free. Sensor bodies are stainless steel, brass, or PVC. Accuracy is maintained at flow rates down to 0.28 ft/sec. EX80-Series magmeters mate with a wide variety of tee, saddle, and weld fittings in various materials. Factory installation of the fitting ensures correct depth placement in the pipe. Tees are individually wet-calibrated at the factory.

- +/- 1% of full scale
- EX81 1-3" .69 - 440 GPM
- EX82 4-10" 11 - 4900 GPM
- EX83 12" 99 - 7050 GPM



## TX80-SERIES

### Insertion Turbine Meters

For economical flow metering in clean fluid applications, these sensors have high-quality shafts and bearings for long life and superior low-flow performance. With only one moving part, they are durable and easy to maintain. TX80 meters fit pipe sizes 1-1/2" to 8" (fixed depth TX80-Series model) and 3" to 48" (adjustable depth TX100/200-Series models). Sensor bodies are available in a variety of plastic and metal materials for use in varying chemical, temperature, and pressure situations. The adjustable depth sensor can be ordered in a hot-tap version for installation without shutting down the line.

- +/- 1-1/2% of full scale
- TX81 1-1/2 - 3" 1.9 - 1190 GPM
- TX82 4 - 8" 18 - 4680 GPM





## FT-SERIES Flow Indicators

The FT400-Series are compact indicating transmitters that come in wall, meter, or panel mount configurations. They have sturdy NEMA 4X die-cast aluminum housings for maximum protection. Designed for external power, the FT420/421 can be used as a loop-powered 4-20 mA transmitter or as a straightforward rate/total indicator. The user-set pulse output function is ideal for interfacing with PLCs. An internal battery makes the FT415/416 model ideal for self-contained applications.

### FT415/416 & FT420/421

- Rate 6 digit
- Total 8 digit

### FT415/416

- Gallons or Acre Ft
- Pulse output
- Battery powered

### FT420/421

- Gallons, Acre Ft or Gallons x 1,000
- Pulse or 4-20 mA output
- Externally powered

## DL76

### Data Logger

For unattended recording of flow rates, the innovative DL76 data logging system replaces chart recorders with an inexpensive data logger and software that allows printing, graphing or exporting data to a spreadsheet. In addition to data storage, retrieval, and analysis, the software also supports live reading of rate and total in the field.



- Battery powered
- Rate/total units selectable
- Storage capacity, 11 days to 3 years



## A055

### 4-20 mA Signal Transmitter

For blind (non-indicating) analog outputs, this inexpensive two-wire transmitter is accurate and rugged. Manual setting makes it easy to use. The die-cast housing can be mounted directly to most Seametrics meters, or it can be ordered in a wall-mount configuration.

