

The logo for SeaMetrics, featuring the brand name in a blue, sans-serif font with a stylized blue wave graphic underneath. The background of the top half of the page is a light yellow gradient.

SeaMetrics



**The Leader in
Flow Meter Value**

UNIQUE FLOW METERS FOR THE 21ST CENTURY

Since 1990, SeaMetrics has been providing simple, high-value flow meters and controls. The guiding principle has been common sense, leading to simplicity, ease of use, and long useful life.

We started with a paddlewheel meter that extended the bottom of the flow range and was easy to repair. Electronic turbine flow meters were added, then insertion turbines, inexpensive high-accuracy single jets and two-wire transmitters, stainless steel single jets and plastic-body magmeters for chemical service. The latest in the product parade are electro-magnetic insertion meters.

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

To back our products, we have a wide distributor network and an extensive website, which has all of our literature in viewable and printable formats. To round out customer service, live people answer the phone and also handle questions in real time through a Live-Help feature on the website.

FT SERIES Flow Computers

The FT415 and FT420 are compact indicating transmitters which can be ordered in wall, meter, or panel mount configurations. They have sturdy NEMA 4X die-cast aluminum housings and are solidly potted for maximum protection. Designed for external power, the FT420 can be used as a loop-powered 4-20 mA transmitter or as a straight-forward rate-total indicator. The user-set pulse output function is ideal for metering pump pacing or PLC interface. An internal battery makes the FT415 ideal for self-contained applications. Like the FT420, it has a settable pulse output for metering pumps or remote monitoring.



FS SERIES Flow Switches

Combined with any SeaMetrics flow sensor or flow meter, the FS30 becomes a very versatile flow switch. A digital setpoint allows the alarm level to be set at any point in a broad flow range, with very precise switching and adjustable hysteresis (deadband).



FT/F SERIES Batch Controls



The FT520 is a flexible workhorse with a large backlit display which can be a batch controller, regeneration controller, or flow monitor with relay alarm outputs. All three functions are in the software of each unit, and any of the configurations is software-selectable by the user at time of setup. The rugged cast aluminum housing can be wall or panel mounted.

A055 SERIES Signal Transmitter

This inexpensive two-wire transmitter is accurate and rugged. Digital setting also makes it easy to use. The die-cast housing can be mounted directly to most of the SeaMetrics meters, or it can be ordered in a wall-mount configuration.



EM 100/101 Low-Flow Magnetic Flow Meters

EM100/101 are low-flow magmeters with plastic bodies for superior chemical resistance. They are capable of measuring the pulsing flows from chemical metering pumps, without pulsation dampeners. The blind EM100 has pulse and 4-20 mA outputs, and the EM101 has full display with 4-20 mA, pulse, and flow alarms.



DL75 Data Logger

For unattended recording of flow rates, this innovative logging system replaces chart recorders with an inexpensive meter-mounted module, a PDA- or laptop-based transporter, and desktop software. A PDA or laptop can be used to set up the logger, to monitor rate and total in the field, and to carry the data back to the office, where custom software displays and prints graphs or converts data to a spreadsheet. PDA and desktop software is contained on a single CD, and synchronizing automatically installs it.



S-SERIES Low-Flow Mechanical Flow Meters

Single-jet meters are unmatched for versatility, mechanical simplicity, and wide flow range. Jewel bearings and advanced shaft material give long life and low minimum flows. Nominal sizes 3/8" to 1".



S-Series meters are available in polypro, Teflon, 316 stainless, and plated brass.

Square Wave Pulse

The standard GMR sensor provides rapid on/off pulses which interface with PLC's or any of the SeaMetrics controls. As shown, the sensor replaces easily.

FIXED DEPTH INSERTION METERS

EX 80-SERIES

Electromagnetic Meters

With no moving parts, the insertion magmeter is well-suited to applications where particulates or debris would impede a mechanical meter. The EX80, designed for use in 1-10" pipes, is durable and virtually maintenance free.

Accuracy is maintained at flow rates down to 0.2 ft./sec. Sensor bodies are available in stainless steel, brass, PVC, and CPVC plastic, with Hastelloy electrodes. Fittings include tees, saddles, and welds.



Meter Fittings

All 80-Series magmeters, paddlewheels and turbines mate with a wide variety of fittings in PVC, bronze, stainless steel, and carbon steel. Styles include tees, saddles, and weld fittings. Each fitting is individually wet-calibrated.

IP/TX 80-SERIES

Mechanical Meters

For general-purpose flow metering in pipe sizes ranging from 1/2" to 8", these sensors are long-lasting, easily repaired, and have only one moving part. High-quality shafts and bearings give long life and superior low-flow performance. A single u-clip retains and orients the sensor in its fittings. For meter-mounted electronics, sensors accept the standard square housing.

IP Paddlewheels

For many applications these sturdy paddlewheels, with minimum flow of 0.3 ft/sec, are a rugged and economical approach. Five body materials and two shaft options accommodate most fluids.



TX Turbines

For applications where low flow is of paramount importance, these turbine sensors have the same advantages as the paddlewheels, with the added benefit of extended low-flow performance.



Each bearing has a ruby ring and thrust ball. The bearing cartridge can be changed in minutes with a screwdriver.

ADJUSTABLE DEPTH INSERTION METERS

EX 100/200-SERIES

Electromagnetic Meters

For larger pipe sizes (3-48"), the EX100/200 Series insertion magmeters offer an economical and durable alternative to spool-type meters. 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. Bidirectional output is standard; submersibility is optional.



IP/TX 100/200-SERIES

Mechanical Meters

IP Paddlewheels

The IP100/200 is an economical choice in applications where there is no debris to impede the mechanical paddlewheel. Like all Seametrics insertion meters, the IP100/200 Series is available with an optional hot-tap configuration and bi-directional flow measurement capability.



TX Turbines

TX100/200 turbines share the basic design of the paddlewheel, but with a helical turbine rotor that improves performance at very low flows. Like the paddlewheel, it is suitable for clean water applications.



INDUSTRIAL WATER TREATMENT CONTROLS FROM SEAMETRICS

Our flow meters are often used in conjunction with a controller or metering pump to control chemical injection in cooling towers and boilers, among other applications. We've provided a family of meters and simple controls designed to make water treatment easier to do. Our M-Series and WP flow meters are among the most widely used in water treatment today, because they are durable, versatile, and backed by SeaMetrics' technical and customer service team.

SeaMetrics, Inc. The Leader in Flow Meter Value

P.O. Box 1589, Kent, WA 98035
19026 72nd Ave. South, Kent, WA 98032
Phone: (253) 872-0284
Toll Free: 1-800-975-8153
Fax: (253) 872-0285
Email: sales@seametrics.com
URL: www.seametrics.com

INTERNATIONAL SALES OFFICES:

Partners for International Development
3221 Marquart, Houston, TX 77027
Phone: (713) 960-0782
Fax: (713) 960-8947
Email: pid-usa@partners.ipmail.att.net

M SERIES Pulse Meters



Long an international standard for domestic water metering, the multi-jet meter has a deserved reputation for standing up to less-than-ideal water conditions. MDE meters have a solid-state switch for long life. Reed switch sensors make MDR meters virtually universal for water treatment applications.



PT/PS & PD SERIES Timers & Conditioners

PT Series Counter Timers

For cooling tower or boiler water treatment, these controls allow the makeup water meter (M-Series or other) to control a metering pump, valve, or both. The bright digital display indicates settings and a dial adjusts them. Each output has a pulse count and output time, and a 115 VAC pigtail to connect to the pump or valve. The PT34 is a single timer, and the PT35 is a dual timer which allows sequential or non-sequential operation.



Signal Conditioners

Pacing chemical metering pumps is a popular application for these accessories. The PD10 programmable divider allows digital control of the pump pulse rate. The PS40 pulse splitter makes it possible to run up to four pumps from one meter.



WP SERIES Mechanical Turbine Meters

For the application which requires a gear-driven mechanical turbine, this meter has an epoxy-coated ductile iron body for ruggedness and economy. An optional reed-switch pulser adds the ability to remote monitor or operate a controller. The WP meets AWWA Class II turbine meter accuracy standards.



WT-SERIES In-line Electronic Turbine Flowmeters

The turbine rotor itself is the only moving part on these units. Any meter can be fitted with a transmitter, a pulser, a battery-powered indicator, or a full two-wire indicating transmitter. Sapphire and ruby bearings and zirconia ceramic shafts give long wear life and excellent low-flow performance. For service, the turbine insert can be removed without taking the meter out of the line.



AVAILABLE FROM:

www.seametrics.com | 1-800-975-8153