



Micrometrixtm



Model SCA STREAMING CURRENT ANALYZER WITH TRENDING

Features

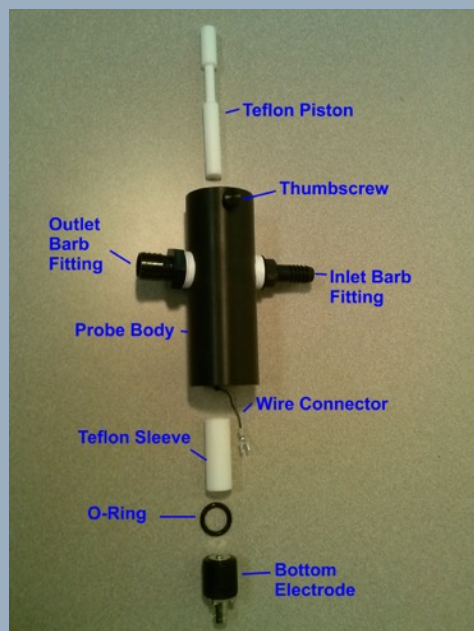
- Color Graphic Display
- Historic Trending
- 4~20mA Output
- NEMA Enclosure
- Serviceable Sensor
- Zero Offset Function

Precise Dose Control for Water Treatment



Sensor Advantage

The MicrometrixTM SCM features a patented sensor design to provide years of trouble free service. The sensor probe is "user serviceable". The user can easily replace a disposable sleeve and piston within the sensor probe to restore accuracy and sensitivity. This approach drastically reduces the cost of ownership of an SCM.



Patented

Benefits

- Chemical Savings
- Maintain Water Quality
- Early Warning Protection
- Prevent Upsets
- Optimize Treatment
- Reduce Residuals
- Easily Retrofitted



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Engineering Specifications

The instrument shall be a complete streaming current measurement system for continuous monitoring of coagulant dosage to assist in optimizing the water or wastewater treatment process. The instrument shall be a two modules: an analyzer and sensor with integrated milliamp transmitter. Both modules shall operate on 110VAC power. (230 VAC optional)

The sensor shall receive a sample of treated water at a flow rate of 1 liter/min up to 10 GPM (user selectable). The sensor shall have a sample inlet of 3/4" inlet and 1" outlet barb style fitting. The sample probe shall be connected with a thumbscrew for easy removal without the use of tools for inspection or service. The sensor probe shall be user serviceable and use a disposable Teflon sleeve, which may be replaced independently of the electrodes. The upper and lower electrode shall be independently replaceable to facilitate easy servicing of the probe. The Sensor shall include two (2) spare probe piston / sleeves. Non-user serviceable sensors and probe assemblies are not acceptable.

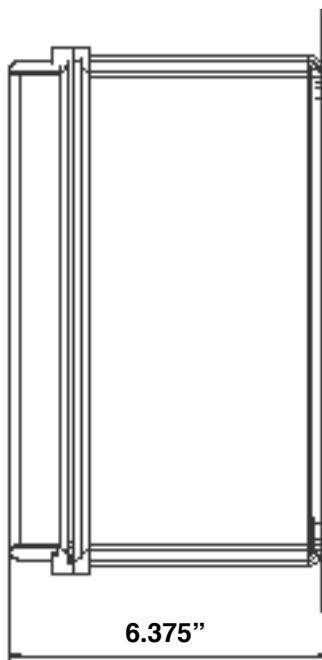
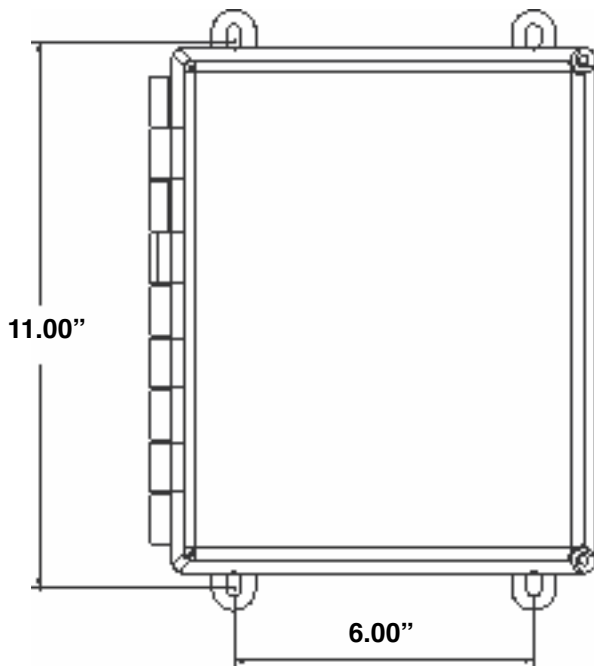
The graphical display shall be housed in a non-metallic NEMA 4x housing suitable for mounting outdoors. The enclosure shall have a facility to use a lock, or tamper-resistant device, to prevent unauthorized use. The instrument shall provide a 4~20mA output of the streaming current value. The transmitter shall have control functions for 1) zero adjustment 2) continuous sensor sensitivity adjustment 3) internal amplifier gain adjustment 4) self diagnostic flashing LED sensor operation indicator. The adjustment controls shall be recessed and require the use of a trimmer tool to minimize tampering by unauthorized personnel.

The instrument shall be a Streaming Current Analyzer Model SCA as manufactured by Micrometrix Corporation.

Specifications	Model SCA
Measurement	Streaming Current
Power	110 Vac / 230 Vac (Optional)
Range	-1000 to +1000 mV (Programmable)
Accuracy	0.1%
Display Type	LCD Color Graphic
Flow Rate	1 Gal/Min (nominal)
Connection Type	3/4" Barb Inlet 1" Barb Outlet
Response Time	1 Second
Self Diagnostic	Sensor LED
Probe Materials	Delrin, 316 SS, PTFE
Outputs	4~20mA, -10 ~ +10 V, 0~10V
Flow Alarm	Optional
Alarms	High / Low Relay
Zero Adjust	Full Range
Enclosure	NEMA 4x, IP 65
Mounting Holes	11.0" x 6.00"
Weight	15 lbs

Specifications subject to change without notice

Streaming Current Analyzer Model SCA



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