

Model SCM-1 STREAMING CURRENT MONITOR W/ G6 SENSOR (6TH GENERATION)

Features

- ▶ 4~20mA Output
- ▶ LED Display
- ▶ NEMA Enclosure
- ▶ Serviceable Sensor
- ▶ Zero Offset Function
- ▶ Sensitivity Adjustment
- ▶ Heavy Duty Motor

Precise Coagulant Dose Control for Water Treatment



Sensor Advantage



The Micrometrix® SCM features a Patented Wear Resistant Sensor design (US11,313,832). The Probe is “user serviceable” and eliminates many “wear factors” found in previous designs. The user can easily replace a disposable sleeve and piston within the sensor probe to restore accuracy and sensitivity. The Sensor also offers multi-mode operation for Self-testing, Calibration and Cleaning. Micrometrix® SCMs have proven to offer years of reliable and trouble-free service.

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 instrument for continuous monitoring and control of coagulant dosage to assist in optimizing the water or wastewater treatment process.

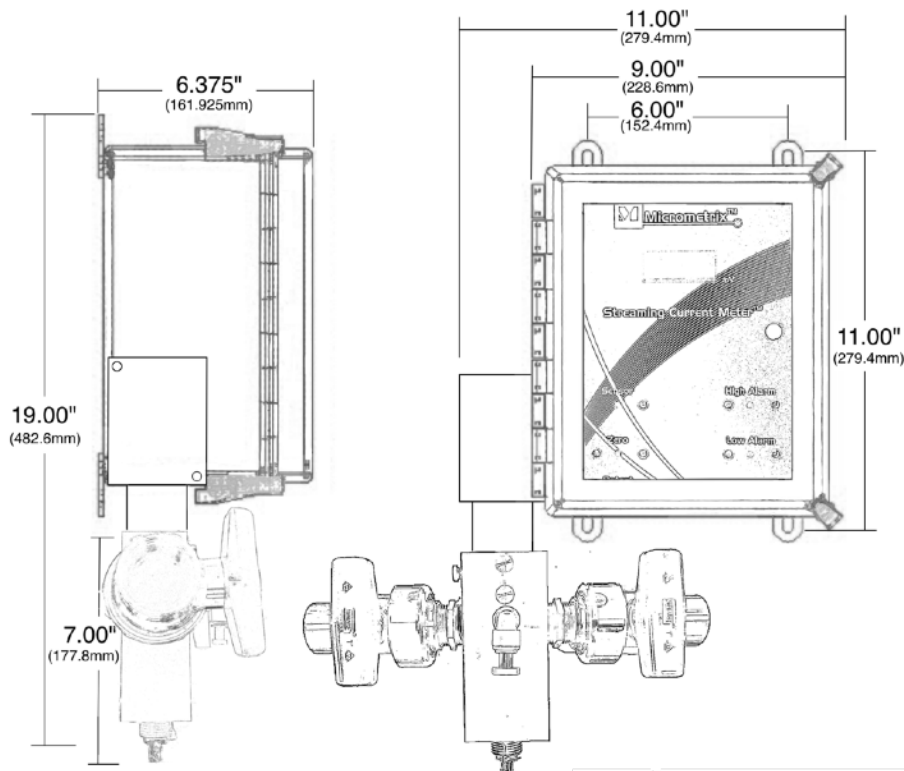
The instrument shall be a single module with integrated sensor and shall operate on 110VAC power. (optional 230 VAC)

The sensor shall receive a sample of treated water at a flow rate of 1~4 liters per minute. The sensor shall have a sample inlet and outlet of 1" FNPT. The sample probe shall be connected with a thumbscrew for easy removal without the use of tools for inspection or service. The probe housing shall 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-serviceable sensors and probe assemblies are not acceptable.

The monitor shall be housed in a non-metallic NEMA 4x housing suitable for mounting outdoors. The meter enclosure shall have a facility to use a lock, or tamper-resistant device, to prevent unauthorized use.

The monitor shall provide an LED digital display of the streaming current value calibrated in millivolts with a range of -1000mV to +1000mV. The meter shall have control functions for 1) meter zero adjustment 2) continuous sensor sensitivity adjustment 3) internal amplifier gain adjustment 4) self diagnostic flashing LED sensor operation indicator 5) independent high and low alarm contact set-point adjustments 6) High and low alarm LED indicators. 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 Monitor Model SCM-1 as manufactured by Micrometrix® Corp.

| Specifications | Model SCM-1 |
|-----------------|---|
| Measurement | Streaming Current |
| Power | 110 Vac / 230 Vac (Optional) |
| Range | -1000 to +1000 mV |
| Accuracy | 0.1% |
| Display Type | LED |
| Flow Rate | 1 ~ 4 Liter/Min (Standard) or 1 ~ 40 LPM (Optional) |
| Connection Type | 1" FNPT inlet/outlet |
| Response Time | 1 Second |
| Self Diagnostic | Sensor LED |
| Probe Materials | Delrin, 316 SS, PTFE |
| Outputs | 4~20mA, -10 ~ +10 V, 0~10V |
| Communication | Modbus (with optional controller) |
| Alarms | High / Low Relay Contacts |
| Zero Adjust | Full Range |
| Enclosure | NEMA 4x, IP 65 |
| Mounting Holes | 11.0" x 6.00" |
| Weight | 20 lbs , 9 kg |



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