

SC5200

PD 1052 SC

Effective 9/15/93



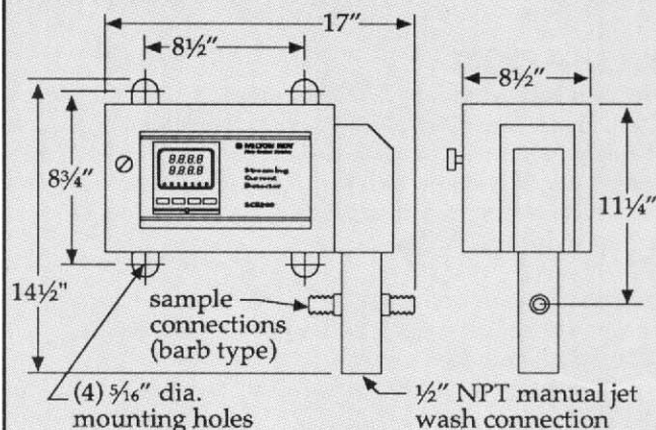
MILTON ROY

SC5200 SPECIFICATIONS

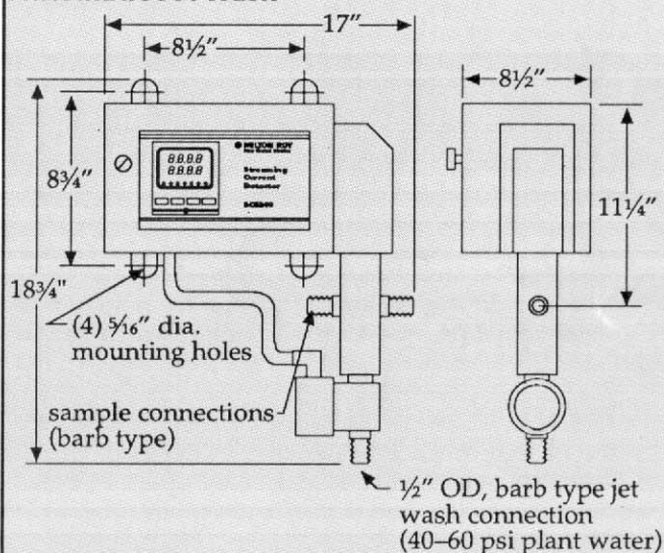
Power Required	115 VAC, 50/60 hz (standard) 230 VAC, 50 hz (optional)
Instrument Output	4-20 mA Streaming Current Signal; 4-20 mA Process Signal (max. 500 OHM load each)
Meter Readout	Dual Digital Display: -100 to +100 Streaming Current Units; and Process Set Point
Control Functions	Single loop Proportional+Integral+ Derivative (PID) control; Continu- ous auto tune; Microprocessor based with self diagnostics; Auto- matic & Manual mode selectable
Communications	RS-485 (optional)
System Accuracy	1% of full scale
Response Time	Less than 5 seconds
Gain Adjustment	Full range
Zero Adjustment	Full range
Signal Filter	Adjustable low pass
Sample Cell	Flow through, external type, Manual Jet Wash conn. (std); Automatic Jet Wash System (opt)
Sample Flow Rate	Standard probe: 2-4 L/min (0.5-1 gal/min) High flow probe: 4-20 L/min (1-5 gal/min)
Sample Flow Sensor ..	Optional, consult Milton Roy
Sample Wetted Parts ..	PVC, Delrin, PTFE, & Silver
Sample Connections ..	Barb Type, 1/2" ID tube (standard) Barb Type, 1" ID tube (high flow)
Alarms	Band type: deviation from set point Relays: SPDT, 2 amps at 115 /230 VAC
Operating Temp.	32°F to 120°F (0°C to 50°C)
Enclosure	NEMA 4X, 316 Stainless Steel
Weight	24 lbs.

SC5200 DIMENSIONS

Manual Jet Wash



Automatic Jet Wash



FEATURES

- Complete SCD and PID process controller in one package
- Automatic control of the coagulant dosing process
- Digital LED display, -100 to +100 Streaming Current Units and Set Point
- Full range Zero, Gain, and Filter adjustments; Alarms
- Dual 4-20 milliamp Streaming Current outputs; Process and Monitor
- Robust industrial design, including 316SS enclosure
- Advanced probe design featuring sample flows to 5 GPM
- Advanced electronics; patented "Phase Correction" circuitry
- Standard manual Jet Wash bottom flush connection
- RS-485 opt. —direct serial computer link to process controller

All information contained herein subject to change without notice.

Milton Roy Company
Flow Control Division
A Sundstrand Subsidiary

201 Ivyland Road, P.O. Box 5011
Ivyland, PA 18974-0577
(215) 441-0800 • FAX: 215-441-8620



3M1198a