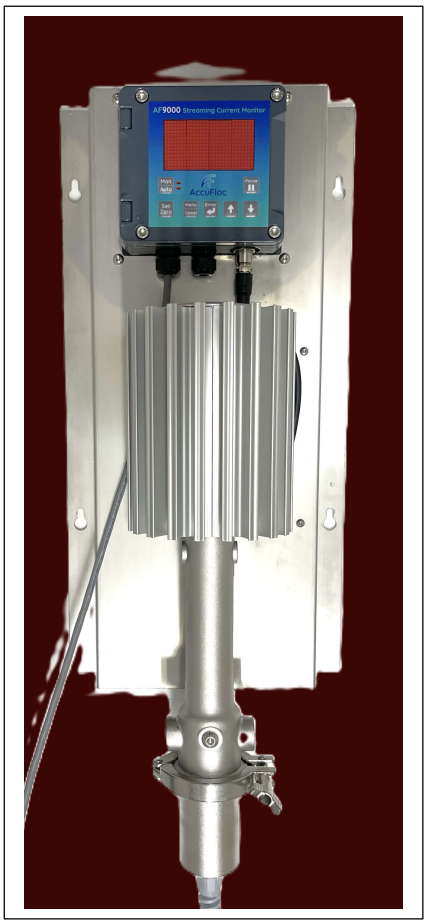
AF9000 STREAMING CURRENT MONITOR

Applications

- Drinking Water



Toughness and reliability with Frictionless Linear Drive (Patented) that won't quit means you'll know when to respond.

Heavy Duty Construction with Serious Durability in Mind

Built with 316 Stainless Steel, the AF9000 is made for 24/7 monitoring of your source water.

Frictionless Linear Drive Built for the Long Haul

With a typical actuator performing over 163 million strokes in a single year, the frictionless linear drive (Patent No. US 12,624,980 B2) system design provides confidence that your monitor can go the distance with no wear and no maintenance.

The Industry's Fastest Response to Source Water Changes

The AF9000 has a 1-second response to any source water changes. The ability to react immediately to any change that occurs keeps control in your hands.

An Open and Uncomplicated Design Saves You Time

A simple and straightforward design allows for easy routine maintenance, saving you time so you can focus on other parts of your facility.

Auto Zeroing in Under 5 Seconds

No complicated steps in confirming your monitors' accuracy—the AF9000 zeroes immediately and sets span with the push of a button.

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Specifications*

Compliance Certifications	CE, designed to meet cETLus CSA (For UL 61010-1 & C22.2. No. 61010-1 safety standards)
Response Time	1 sec to 1 min adjustable average
Sample Flow Rate	Adjustable 2-4L/minute recommended
Humidity	Maximum relative humidity 95% for temperatures up to 50°C (122°F)
Sample Temperature	7 at 35 °C (45 to 95°F)
Operating Temperature Range	0 to 50 °C at 95% Relative Humidity (non-condensing)
Storage Conditions	-20 °C to 70 °C at up to 95% Relative Humidity
Connections	1/2-inch BSP
Inputs	Dual digital (2x); optically isolated; switch input to 5 to 24 V
Outputs	4-20mA; Maximum load 500 ohm, electrically isolated Modbus
Relays	Relay (2x); Digital; 5 A, 30 VDC resistive loads
	Optional: 4-20mA Output PID
Communication	Modbus RS485
Pollution Degree	2
Protection Class	IP66 (Nema 4X)
Power Requirements (Voltage)	110-240Vac 50/60Hz Optional 24Vdc
Wetted Materials	Stainless Steel, UHMW, Epoxy
Dimensions Metric (H x W X D)	650 mm x 320 mm x 240 mm
Weight	18.5lbs. (8.5 kg)
Warranty	1 year

**Subject to change without notice.*

Ordering Information

Instruments

AF9000 - 1	AF9000 SCM, 110-240Vac 50/60Hz, 4-20mA output, Modbus
AF9000 - 2	AF9000 SCM, 110-240Vac 50/60Hz, 4-20mA, Modbus, 4-20mA PID, 2 x OC relays
AF9000 – 3	AF9000 SCM, 24Vdc, 4-20mA, Modbus, suitable Solar applications
AF9000 – 4	AF9000 SCM, 24Vdc, 4-20mA, Modbus, 4-20mA PID, 2 x OC Relays

Accessories

AF- 765	Water Connections with Auto Sensor Flush
AF- 766	Water Connections without Auto Sensor Flush

Maintenance Parts

AF- 759	Replacement Piston
AF-959-1	Replacement Piston and Lower End Bearing (recommended)
AF- 756	Replacement Streaming Current Sensor
AF- 758	Sensor Bearing / Washer Replacement Kit
AF-949	Easy Linear Bearing Removal Tool