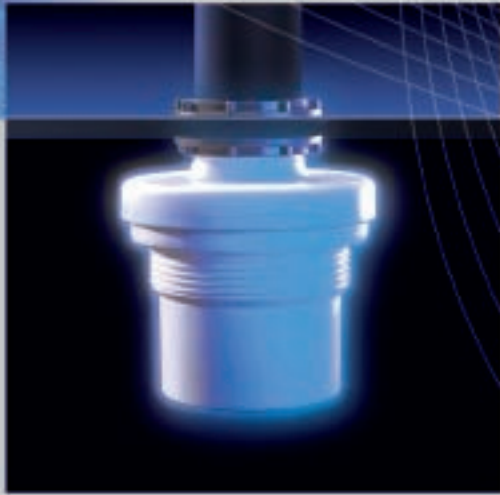
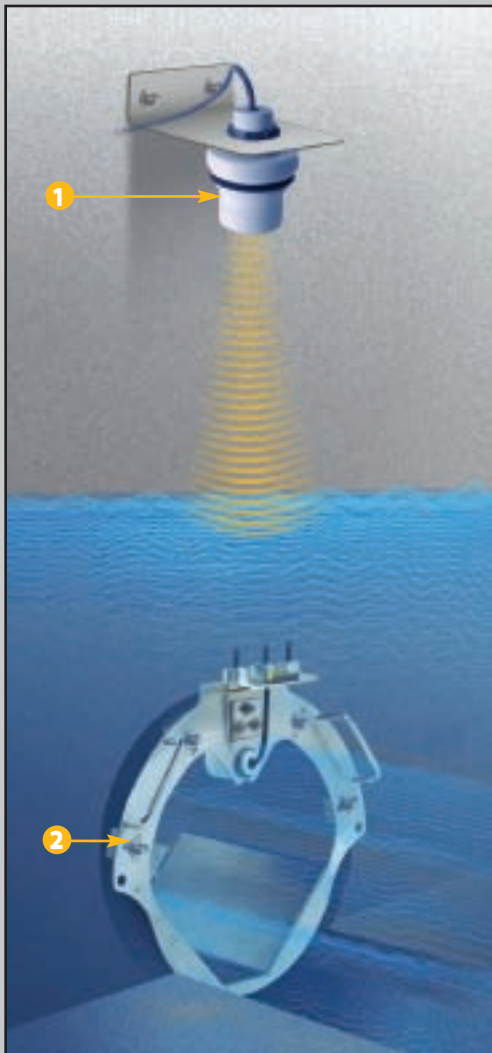


ACCURON® SM-15 SURCHARGE MONITOR



The Accuron SM-15 non-contact Surcharge Monitor provides for continuous measurement of accurate flow data during intermittent periods of surcharged conditions.



To allow for the monitoring of conditions that change from open channel flow to submerged flow (as experienced in sewers during a storm event or downstream blockage), a maintenance-free, "above the flowstream" independent level sensor can be provided for all Cartridge Meters.

The Accuron SM-15 non-contact Surcharge Monitor provides for continuous measurement of accurate flow data during intermittent periods of surcharged conditions. When utilized in conjunction with the Accuron 7200/7400 Area-Velocity Cartridge Meters, the Surcharge Monitor (an independent ultrasonic level sensor mounted near the highest point of the manhole) will accurately ascertain the sewerage or storm water level that has accumulated above the crown of the incoming pipe. During this event, flow continues to be monitored by the transit-time velocity sensors integrated within the Cartridge Meter.

Since the Accuron SM-15 is located above the flowstream and calculates level by non-contact ultrasonic means, the requirement for periodic cleaning of the sensor, as is the case with submerged pressure transducers, becomes a non-issue. Field operating personnel may now monitor flow through both dry and wet weather conditions without the need for repetitive manhole entry.

1 SURCHARGE DEPTH SENSOR

Ultrasonic Teflon® level sensor with stainless steel bracket.

2 CARTRIDGE

S/S cartridge with trapezoidal flume, level sensor and transit-time velocity sensors.

3 METER

Nema 4, 4x flowmeter with datalogger.



SM-15 SPECIFICATIONS

Sensor Housing	Teflon®, Submersible Nema 4, 4X
Sensor	Temperature Compensated
Temperature	-40° to 158°F (-40° to 70°C)
Accuracy	± 0.02" or 0.05% of target distance
Maximum Range	15 feet
Deadband	12 inches
Warranty	18 months

ORDERING GUIDE

SURCHARGE MONITOR	SENSOR CABLE	
SM-15 Teflon® Level Sensor w/ Stainless Steel Wall Bracket	30 ft.	W
	50 ft.	X
	100 ft.	Y
	200 ft.	Z
	Over 200 ft.	Please Specify

To Order Surcharge Monitor, Suffix standard Accuron part number with SM-15- (cable length).
Ordering Example: 7210-12"-PSWA-SM-15-Y

