Smart Storm

AVOCET

Sludge Blanket Specification

Technology/Operation	
Measuring Principle	Underwater ultrasonic sludge level measurement
Measuring Range	0.6-12 metres (2-39 ft)
Performance	
Accuracy	+/- 0.03m
Resolution	0.003m
Response Rate	Fully adjustable
Echo Processing	Sophisticated algorhithms using 32 bit Digital Signal Processing
Power Supply	115/230 VAC
Outputs and Communications	
Analogue	1 4-20mA output, 750Ω
Digital	4 SPDT programmable relays, 5A @ 230 VAC (2 user programmable, 1 purge control, 1 LOE)
Telemetry (optional)	Site specific, range up to 2 miles (3km)
Communication	Standard RS232, optional RS485
Programming	
User Interface	3-button keypad with menu driven programming
Echo Profile	Graphical LCD display of raw echo profile
Programming Security	Password protected
Data Integrity	Non-volatile RAM
Environment	
Temperature Range (electronics)	-20°C to +60°C (-4°F to +140°F)
Outdoor Rating	IP65, UL Approved Enclosure with UV Protected Clear Lid
Design	
Dimensions	280 x 219 x 156 mm (11.0 x 8.6 x 6.1 inch)
Cable Entry	8 Available for Wall Mount: 1xM12, 1xPG9, 5xM20 bottom row
Mounting	2 Fixed Holes & 1 Hanging Hole, Optional DIN Rail Tabs
Enclosure Material	Polycarbonate, flmae resistant to UL94-5V
Weight	Approximately 1.4Kg (3 lbs)
Transducer Specifications	
Standard Cable Length	20 metres (66 ft), optional custom lengths
Cable Specification	Shielded Coax Cable
Maximum Cable Run	50 metres (150 ft)
Temperature Range (Transducer)	-40°C to +95°C (-40°F to +200°F)
Dimensions	50mm diameter x 75mm length (2 x 3 inches)
Mounting	1 inch NPT Male Thread
Material	PVC Housing, IP68 Rating
Beam Angle & Frequency	6° total, 12. MHz
Cleaning	Hose Tail Air Pipe Connector for Air Purge
Cleaning Frequency	User-programmable, 1-720 minutes (12 hours)
Weight	Approximately 0.5 Kg (1 lbs)

Note: In line with our aim of continuous product improvement, these specifications are subject to change at any time without notice. Smart Storm take no responsibility for the use of these figures. All figures quoted are based on test conditions and may be subject to variation due to environmental conditions.

CERTIFIED ISO 9001:2015 COMPANY

MADE IN BRITAIN