



Greyline

OCF 6.1

Technical Specifications:

The Open Channel Flow 6.1 uses a non-contacting ultrasonic sensor mounted over a flume or weir to measure flow, or inside / above a tank to measure level. It is accurate, reliable, and verifiable. The OCF 6.1 continuously displays, totalizes, transmits, and data logs open channel flow or level.



GENERAL SPECIFICATIONS

Operating Parameters:	Flume or weir to measure flow, or inside / above a tank to measure level
Programming:	Built-in 5-key calibrator with English, French, or Spanish language selection
Electronics Enclosure:	NEMA4X (IP66) polycarbonate with clear, shatterproof cover
Accuracy:	±0.25% of measured range or 2 mm (0.08 in) whichever is greater, Repeatability and Linearity: ±0.1%
Display:	White, backlit matrix — displays flow rate, totalizer, relay status, operating mode, and calibration menu
Power Input:	100-240 V AC 50/60 Hz (see Popular Options), 10 V A max depending on options
Output:	Isolated 4-20mA 0-5 V, 1 kΩ load maximum
Control Relays:	2 Relays, form 'C' dry contacts rated 5 A SPDT; programmable level alarm, pump control, pump alternation, failsafe / echo-loss, air temperature alarm
Data Logger:	Built-in 26 million point data logger with USB output and Windows software.
Operating Temp. (Electronics):	-20 °C to 60 °C (-5 °F to 140 °F)
Approximate Shipping Weight:	4.5 kg (10 lb)
Approvals:	CE, cCSAus

TRANSDUCER SPECIFICATIONS

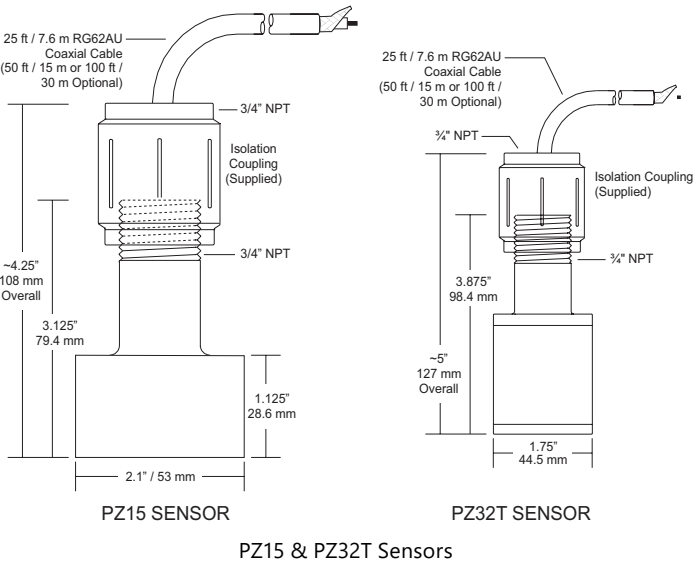
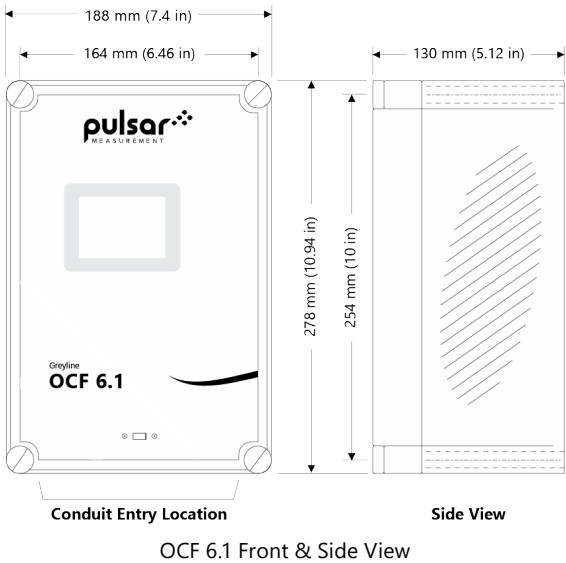
Maximum Range:	<ul style="list-style-type: none">• 4.6 m (15 ft) with standard PZ15 sensor• 9.8 m (32 ft) with standard PZ32T sensor
Operating Temperature:	-15 °C to 80 °C (5 °F to 175 °F)
Deadband (Blanking):	Programmable, Minimum 203.2 mm (8 in)
Beam Angle:	8°
Operating Frequency:	<ul style="list-style-type: none">• PZ15: 92 kHz• PZ32T: 42 kHz
Operating Temperature:	-40 °C to 65 °C (40 °F to 150 °F) with automatic temperature compensation
Submersion Rating:	Protected for accidental submersion to 3 m (10 ft) maximum
Sensor Cable:	RG62AU coaxial, 7.6 m (25 ft) standard length (See Popular Options)
Hazardous Locations:	<ul style="list-style-type: none">• Non-incendive for Class I, Div 2, Groups A, B, C, D• Optional: Intrinsically safe for Class I, Div 1, Groups C, D; Class II, Groups E, F, G; Class III; Encl. Type 4

POPULAR OPTIONS

Industrial Automation Protocols:	Modbus RTU via RS485
Transducer Cables:	15.2 m (50 ft) continuous or 30.5 m (100 ft) continuous RG62AU coaxial from sensor, or splice up to 152.4 m (500 ft) with junction box



Intrinsic Safety Barriers:	For sensor mounting in Class I, Div 1, Groups C, D; Class II, Groups E, F, G; Class III; Encl. Type 4 hazardous locations
Power Input:	9-32 V DC, 10 W max
Control Relays:	4 additional (6 total), rated 5 A SPDT
Enclosure Heater:	Thermostatically controlled to -40 °C/°F — recommended for temperatures below 0 °C (32 °F)
Sunscreens:	Sensor sunscreen and enclosure sunscreen for outdoor installations
Sensor Mounting Stand:	Adjustable, includes galvanized steel pipe, flanges, fittings, and hardware



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