



Greyline

DLT 2.0

Technical Specifications:

Greyline Differential Level Transmitter 2.0 is a simple solution for barscreen level control at wastewater treatment plants, pump stations, and combined sewer systems. It includes two non-contacting ultrasonic sensors to measure level. With sensors positioned above a channel, up and downstream from the barscreen, the DLT 2.0 can display and transmit differential level. The downstream sensor can also be installed above a flume or weir to measure and totalize open channel flow



GENERAL SPECIFICATIONS

Electronics Enclosure:	NEMA4X (IP66) polycarbonate with clear, shatterproof cover
Accuracy:	• $\pm 0.25\%$ of Range or 2 mm (0.08 in) whichever is greater • Repeatability and Linearity: $\pm 0.1\%$
Display:	White, backlit matrix - displays upstream, downstream, and differential level, open channel flow and totalizer, relay states, operating mode, and calibration menu
Programming:	Built-in 5-key calibrator with English, French, or Spanish language selection
Power Input:	100-240 V AC 50/60 Hz (see Options), 3 W maximum (with standard features)
Analog Output:	Three Isolated 4-20mA (upstream and downstream level (or open channel flow) and differential level, 1 k Ω load maximum.
Control Relays:	Qty 2, rated 5 A SPDT, programmable for level control, differential control, or flow proportional pulse
Operating Temp. (Electronics):	-20 °C to +60 °C (-5 °F to +140 °F)
Approximate Shipping Weight:	6.8 kg (15 lb)

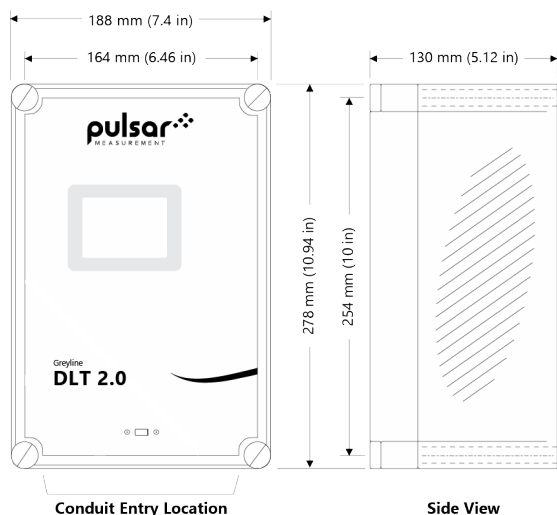
TRANSDUCER SPECIFICATIONS

Standard Sensor:	Includes two PZ15 ultrasonic sensor
Maximum Range:	4.6 m (15 ft) with standard PZ15 sensor
Deadband (Blanking):	Programmable, Minimum 203.2 mm (8 in)
Beam Angle:	8°
Operating Frequency:	92 kHz
Exposed Materials:	PVC
Operating Temperature:	-40 °C to 65 °C (-40 °F to 150°F)
Temperature Compensation:	Temperature probe inside the level sensor for high accuracy in changing temperatures
Sensor Cable:	RG62AU coaxial, 7.6 m (25 ft) standard length (See Options)

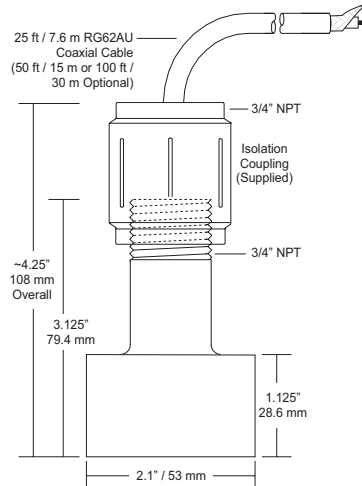
POPULAR OPTIONS

Sensors:	9.7 m (32 ft) measurement range / Intrinsically Safe models
Sensor Cable:	15.2 m (50 ft) or 30.5 m (100 ft) RG62AU coaxial continuous from the sensor, or splice up to 152.4 m (500 ft) with optional JB Watertight NEMA4 steel with connection terminal strip
Power Input:	9-32 V DC
Extra Control Relays:	4 additional (6 total) rated 5 A SPDT
Data Logger:	2 million point logger with USB output and Windows software – 3 channel logging (A & B sensors plus Differential or Open Channel flow)

Enclosure Heater:	Thermostatically controlled - recommended for temperatures below 0 °C (32 °F)
Intrinsic Safety Barriers:	For Sensor mounting in Class I, II, III, Div. 1, 2, Groups C, D, E, F, G hazardous locations
Sensor Mounting Stand:	Adjustable, includes galvanized steel pipe, flanges, fittings, and hardware
Sunscreens:	Sensor sunscreen and enclosure sunscreen for outdoor installations



DLT 2.0 Front & Side View



PZ15 Sensor

Delivering the Measure of Possibility

Pulsar Measurement offers worldwide professional support for all of our products, and our network of global partners all offer full support and training. Our facilities in Malvern, UK and Largo, USA are home to technical support teams who are always available to answer your call or attend your site when required. Our global presence, with direct offices in the UK, USA, Canada, and Malaysia, allows us to create close relationships with our customers and provide service, support, training, and information throughout the lifetime of your product.

For more information, please visit our website:

www.pulsarmeasurement.com



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