

**DLT 2.0 Differential Level Transmitter**

Model **DLT 2.0** - - - - -

Approximate shipping weight: 11 lbs / 7 kg

**STANDARD FEATURES:**

- sensors – Qty 2, PZ15 ultrasonic, PVC, 15 ft / 4.5 m range
- sensor cable – 25 ft / 7.6 m coaxial
- enclosure - watertight, dust tight NEMA4X (IP66) polycarbonate
- programming - built-in 5-key programmer, Password protected
- calibration - Level, Range, Differential Level and Open Channel Flow
- display: White, backlit matrix Level/Differential/Flow, 12 digit Totalizer
- 2 control relays - 5 amp, SPDT - programmable for level control, differential control, or flow proportional pulse
- temperature compensation - automatic
- outputs – Qty 3, isolated 4-20mA (1000 ohm)
- power input - 100-240VAC 50/60Hz, 3 Watts maximum
- surge protection - sensor, AC power and 4-20mA output
- 1 PC software utilities disk
- 1 Manual - Installation and Operation

<b>POWER INPUT</b> Standard 100-240VAC 50/60Hz	A
9-32VDC	B

<b>ENCLOSURE</b> Standard NEMA4X (IP66) polycarbonate	1
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<b>ENCLOSURE TEMPERATURE</b> Standard (-5° to 140°F / -20° to 60°C)	A
Heater and Thermostat, 115VAC, 15 Watts	B
Heater and Thermostat, 230VAC, 15 Watts	C

<b>ELECTRONICS PROTECTION</b> Standard - no circuit board coating	1
Conformal Coating (partial – excludes power supply, display and optional logger)	2

**SENSORS PAIRS** (each with 25 ft / 7.6 m shielded coaxial cable)

PZ15 – Qty 2, PVC (8" / 203.2 mm deadband, 15 ft / 4.57 m Max. range)	D
PZ34 – Qty 2, PVC (16" / 406.4 mm deadband, 32 ft / 10 m range on liquids)	B

**INTRINSIC SAFETY BARRIER** (built into electronics enclosure)

Standard, PZ sensor, Non-Incendive for Class I Div 2, Groups A,B,C,D	1
QTY 2 Intrinsic Safety Barriers for PZ Sensor installation in Class I, Div 1, Groups C,D; Class II, Groups E,F,G; Class III; Encl. Type 4	2

**SENSOR CABLE LENGTH**

Standard 25 ft. 7.6 m shielded coaxial pair (two sensors)	A
50 ft / 15 m continuous shielded coaxial pair (two sensors)	B
100 ft / 30 m continuous shielded coaxial pair (two sensors)	C

**DATA LOGGER**

None – Standard	1
Greyline Logger – 3 channel (A & B sensors plus Differential), 2 million point Data Logger (with USB output, PC software)	2

**CONTROL RELAYS**

2 Standard	A
4 Extra Relays (6 total) rated 5 amp SPDT, fully programmable	B

**OPTIONS AND ACCESSORIES**

QTY	CODE	DESCRIPTION	
	XC	Extra sensor cable up to 500ft / 152m	
	JB4X	Sensor cable Junction Box for dual sensors, NEMA4X/IP66	
	PM	Panel Mount Flange assembly	
	SCR	Enclosure Sunscreen (iridite aluminum)	
	PZS	Sensor Sunscreen (iridite aluminum)	
	SBMS <sup>1</sup>	Sensor Submergence Shield (PVC)	
	SP5	Lightning/Surge Protection in NEMA 13,12 Steel Enclosure	

<sup>1</sup> Only compatible with PZ15 and PZ34 sensors

**REPLACEMENT SENSORS**

\* Provide Instrument Serial number when ordering replacements

\* Both Sensors must be the same Model. Do not mix PZ15/PZ34.

	PZ15	PVC, (8"/203mm deadband, 15ft/4.6m range) with 25ft/7.6m cable	
	PZ15-25XC	PVC, (8"/203mm deadband, 15ft/4.6m range) with 50ft/15.2m cable	
	PZ15-75XC	PVC, (8"/203mm deadband, 15ft/4.6m range) with 100ft/30.5m cable	
	PZ34	PVC, (12"/305mm deadband, 32ft/10m range) with 25ft/7.6m cable	
	PZ34-25XC	PVC, (12"/305mm deadband, 32ft/10m range) with 50ft/15.2m cable	
	PZ34-75XC	PVC, (12"/305mm deadband, 32ft/10m range) with 100ft/30.5m cable	