

DLT 2.0 Differential Level Transmitter

Approximate shipping weight: 11 lbs / 7 kg

Model

DLT 2.0 - - - - -

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

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

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

ELECTRONICS PROTECTION 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, General Purpose locations, not rated Intrinsically Safe	1
2ISB Intrinsic Safety Barriers for PZ Sensor installation in Class I,II,III, Div. I,II, Groups C,D,E,F,G	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	
	SMS	Sensor Mounting Stand (for Channel applications)	
	PM	Panel Mount Flange assembly	
	SCR	Enclosure Sunscreen (iridite aluminum)	
	PZS	Sensor Sunscreen (iridite aluminum)	
	SBMS	Sensor Submergence Shield (PVC)	
	CHS	Spare set Electronics with Mounting Chassis (standard features)	
	MNL	Additional Manuals (One supplied with each unit)	
	SP5	Lightning/Surge Protection in NEMA 13, 12 Steel Enclosure	

REPLACEMENT SENSORS (each with 25 ft. / 7.6 m shielded coaxial pair)

* Provide Instrument Serial number when ordering replacements

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

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