

DLT 2.0 Differential Level Transmitter

Approximate shipping weight: 11 lbs / 7 kg

Model

Please configure model on next page

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



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Model

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POWER INPUT

Standard – 100-240VAC 50/60Hz, 10VA Maximum		A
9-32VDC, 10W Maximum		B

ENCLOSURE & ELECTRONICS PROTECTION

Standard NEMA4X (IP66) polycarbonate		1
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ENCLOSURE TEMPERATURE RATING

Standard (-5° to 140°F / -20° to 60°C)		A
Heater and Thermostat 115VAC, 15 VA additional to Power Input (25 VA total)		B
Heater and Thermostat 230VAC, 15 VA additional to Power Input (25 VA total)		C

ELECTRONICS PROTECTION

Standard - No circuit board coating		1
Conformal coating (partial - excludes power supply, display, and optional logger)		2

TRANSDUCERS (each with 25ft / 7.6m cable)

Standard – QTY-2 PZ15, PVC (8"/203.2mm deadband, 15ft/4.57m max range)		D
QTY-2 PZ34, PVC (12"/304.8mm deadband, 32ft/10m max range)		B

INTRINSIC SAFETY BARRIERS (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

TRANSDUCER CABLE LENGTH

Standard – 25 ft. 7.6m (two sensors)		A
50 ft / 15 m (two sensors)		B
100 ft / 30 m (two sensors)		C

DATA LOGGER

Standard – None		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

Code	Description	
XC	Extra sensor cable up to 500ft / 152m, price per foot	
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)	
SBMS1	Sensor Submergence Shield (PVC,)	
SP5	Lightning/Surge Protection in NEMA 13,12 Steel Enclosure	
CC-SL30	Coupling Compound – Super Lube® Synthetic Grease 3.0 oz tube	
CC-SL30HT	Coupling Compound for Fluid Temp. > 120°C (250°F) – Super Lube® Dielectric Grease 3.0 oz tube	
SP2	Lightning/Surge Protection in NEMA4 Steel Enclosure	

Replacement Single Sensors - Please provide instrument serial number when ordering replacements
Both sensors must be same model. Do not mix PZ15/PZ34

Code	Description	
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	