

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

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

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|---|---|
| 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 |

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|--|---|
| 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)

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|--|---|
| 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)

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| 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) | |
| | 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.

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|--|------|--|--|
| | 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) | |