



HAZARDOUS LOCATIONS

INTRINSICALLY SAFE LEVEL TRANSMITTER IL10 SERIES

DESCRIPTION

The Wika IL10 Series Intrinsicly Safe Level Transmitter is exceptionally stable and is virtually unaffected by shock, vibration and orientation. These Intrinsicly (IS) Safe transmitters are ideal for monitoring water level in an explosive atmosphere with a safety barrier. The IL10 Series can be lowered into a tank of water and the 4-20 mA signal will directly correspond to the level.

FEATURES

- Class I, II, III, Division 1, Groups A, B, C, D, E, F, G
- 0.25% accuracy, all ranges
- 4-20 mA, loop powered
- Ranges from 4.2 feet (1.3 m) to 34.9 feet (10.6 m)



IL10



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HAZARDOUS LOCATIONS

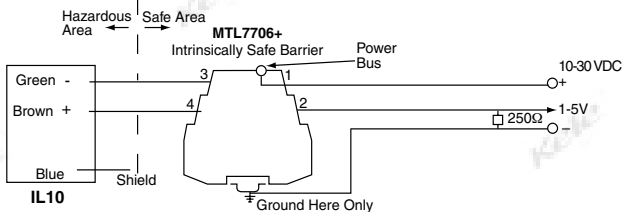
SPECIFICATIONS

Supply Voltage	10-30 VDC
Accuracy	0.25% of span
Output Signal	4-20 mA @ 700Ω
Overpressure	Proof 30 psi, Burst 35 psi
Operating Temperature	-22° to 140°F (-30° to 60°C)
Medium Temperature	-14° to 140°F (-10° to 60°C)
Enclosure Rating	NEMA 4X (IP65)
Dimensions	1.1" diameter x 5.8" long (2.7 x 14.7 cm)

Materials of construction

Entity Parameters	Stainless steel case V _{max} = 30V, I _{max} = 100 mA, C _i = 22 nF, L _i = 0.1 mH
Area	Intrinsicly safe Class I, II, III, Division 1, Groups A, B, C, D, E, F, G
Weight	2.6 lb (1.2 Kg) maximum
Approvals	CSA, FM, CE
Warranty	1 year

WIRING



CAUTION: Intrinsicly safe devices require the use of an intrinsic safety barrier when applied in hazardous locations. Provide wiring and grounding strictly in accordance with manufacturer's instructions. When a IL10 Series transmitter is combined with the Model MTL7706 intrinsic safety barrier, total cable capacitance between the two must be limited to 0.12 μF. Total cable inductance must be limited to 4.0 mH (equivalent to 2700'/823m maximum Belden™ #8760 18/2 shielded twisted pair cable 0.18 μH/FT, 44 pF/FT).

ORDERING INFORMATION

MODEL	DESCRIPTION
IL10ANGGDZG12Z	Intrinsicly-safe level transmitter 4.2 foot range with 10 foot lead
IL10ANGUGDZG12Z	Intrinsicly-safe level transmitter 8.3 foot range with 20 foot lead
IL10ANCNGDZG12Z	Intrinsicly-safe level transmitter 11.6 foot range with 20 foot lead
IL10ANCPGDZG12Z	Intrinsicly-safe level transmitter 23.1 foot range with 30 foot lead
IL10ANBCGDZG12Z	Intrinsicly-safe level transmitter 34.9 foot range with 40 foot lead

RELATED PRODUCTS

MTL7706+	Intrinsic safety barrier, 4-20 mA two-wire transmitters
250R-3-1	250 OHM 3 WATT 1% resistor long leads
DCPA-1.2	Power supply, 120 VAC In to 24 VAC/24 VDC Out
DGP-1.5-W	Power supply, 24 VAC IN to 24 VDC OUT