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DATASHEET T0745P10

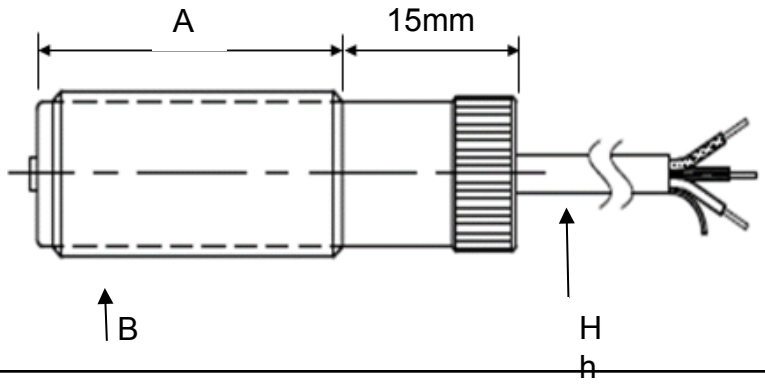
ATEX Amplified High Profile RF Pickup with 5 meter cable outlet

PRODUCT DESCRIPTION

CAUTION: These sensors MUST be installed with an FM Global approved IS barrier. Installations must meet the requirements of intrinsically safe systems for hazardous (classified) locations.

Intrinsically Safe Digital RF pickups are active sensors driven by an internal modulated carrier signal conditioner with their internal circuits modified for operating in hazardous locations. The digital output of this sensor is directly proportional to the passing of the turbine flowmeter rotor by the pickup coil. This output is forwarded as a frequency to the electronics which converts the measured physical quantity (rotor movement) into a linearized analog electrical and frequency signal for computing and/or further processing.

TrigasDM ATEX Amplified RF pickups have EMI protection and reverse polarity protection.



Mounting Thread (B) = 11/16x24
Thread Length (A) = 27mm
Lead Wires (H) = 5m“

PVC or TFE insulation
Red – Supply
Black – Common
White – Output
Shield – Floating

PRODUCT SPECIFICATIONS

Vs, Supply Voltage: 8 to 30 Vdc @ 15 mA (Reverse Polarity Protected)
Vo, Signal Out: 0 – 10V NPN
Operating Freq.: ≥ 0.5 to ≤ 5000 Hz
Temperature Sensor: -
Temperature Range: -40°C to +65°C

Connectors: 5 meters flying leads
Construction: 300 Series Stainless Steel, Solid Epoxy Encapsulation
Sensor Face: Epoxy sealed face / Open front construction

CE-Compliance: EN55011, EN50022-2

Certifications for IS100 & IS101 / IS100A & IS101A:

ATEX	**USA**	**Canada**
II 1G Ex ia IIC	Intrinsically Safe	Intrinsically Safe
FM08ATEX0066X	Class I, II, III, Division 1	Class I, Division 1
	GROUP ABCDEFG	GROUP ABCD
	Class I, Zone 0, AEx ia IIC	Class I, Zone 0, Ex ia IIC

Rev. #4 / 05/2019