



NEW PRODUCT HIGHLIGHT

INDUSTRIAL WIRELESS PRESSURE TRANSMITTER

The IWPT Wireless Pressure Transmitter is a cost-effective replacement to a traditionally wired pressure transducer that offers the advantages of a low-cost installation in inaccessible and expensive installation environments.

It is an important part of a wireless system that aids in the 24/7 monitoring of factory assets. The IWPT provides factory personnel the opportunity to routinely monitor important information about their assets and automation systems.

BUILT FOR USE IN HARD TO MAINTAIN LOCATIONS

Provides clear, reliable transmission of data in environments with obstructions.

CONFIGURABLE TRANSMISSION RATES TO PRESERVE BATTERY LIFE

Control when data is sent from the transmitter to meet the specific application needs or preserve battery life. Transmission rates can be set at 1 second to 5 minute increments.

LONG OPERATIONAL LIFE

Lithium Thionyl Chloride battery lasts for 5 years when configured for a 10 second update rate.

WORKS DIRECTLY WITH A WIDE OFFERING OF INDUSTRIAL WIRELESS GATEWAYS OR RECEIVERS

Meets your application needs by connecting to local wired circuits, PC or PLC control, or cellular gateway options.



AVAILABLE IN A RANGE OF CONFIGURATIONS

Complete offering provides the ability to meet the specific application requirements across a wide variety of assets and media. Additional types also possible.

PRE-CONFIGURED FOR FAST SETUP

Works out-of-the-box without configuration, but configurable to meet the specific application needs.

PROTECTS DATA WITH A SECURE NETWORK

Confidently maintains data security with end-to-end encryption.

ENSURES ACCURATE MEDIA SENSING AND MEETS THE NEEDS OF COMMERCIAL AND INDUSTRIAL ENVIRONMENTS.

Piezoresistive thick film or silicon sensor elements with stainless steel housing

SMALL FORM FACTOR FOR INSTALLATION IN CRAMPED SETTINGS

Easily fits in the palm of your hand and in your work environment. Can be easily mounted to a wall, machine, or implement.

APPLICATIONS

- Smart Factory
- Manufacturing
- Aerospace
- Automotive
- Electronics
- Food & Beverage
- Machine Tool
- Packaging
- Pharmaceutical
- Semiconductor
- Steel

SPECIFICATIONS

Material Specifications

Pressure Housing	316 Stainless Steel
"O" Ring Seals	Viton
Diaphragm	Ceramic Al ₂ O ₃ 96%
Wireless Enclosure Material	Plastic
Weight	310g including battery
**Installation Position	Any
Environmental Protection	Designed to IP68 (not recommended for submersion due to signal loss)

**Consult installation manual to ensure adequate signal path between transmitter and receiver.

Transmitter Output

*Transmission Frequency	2.4 Ghz using ISM bands
Transmit Power	18 dBm
System Channel	User selectable via DIL switch
Antenna	Integral OdBi

*Compliant with EN 300 328, V1.8.1

Transmitter

Nominal Pressure, Gauge	bar	1	2	5	10	20	50	100	250	400
Compound Range, Gauge	bar	-1 to 0	-1 to 2	-1 to 5	-1 to 9	-1 to 19	-1 to 24			
Permissible Overpressure	bar	2	4	10	20	40	100	200	400	650
Burst Pressure	bar	4	5	12	25	50	120	250	500	650

ORDERING OPTIONS

1/4"BSP 1-5Vdc or 4-20mA				1/4"NPT 1-5Vdc or 4-20mA			
Part Number	Pressure Rating	Part Number	Pressure Rating	Part Number	Pressure Rating	Part Number	Pressure Rating
IWPT-G1000-00	0 - 1 bar G	IWPTL-G0050-00	0 - 50 mbar G	IWPTU-GP015-00	0-15 psi G	IWPTLU-GP001-00	0 - 1 psi G
IWPT-G6000-00	0 - 6 bar G	IWPTL-G0100-00	0 - 100 mbar G	IWPTU-GP030-00	0-30 psi G	IWPTLU-GP002-00	0 - 2 psi G
IWPT-GM1P9-00	-1 to +9 bar G	IWPTL-G0250-00	0 - 250 mbar G	IWPTU-C0446-00	-14.5 to +150 psi G	IWPTLU-GP005-00	0 - 2 psi G
IWPT-G1002-00	0 - 10 bar G	IWPTL-G0500-00	0 - 500 mbar G	IWPTU-GP075-00	0-75 psi G	IWPTLU-GP008-00	0 - 8 psi G
IWPT-G1602-00	0 - 16 bar G	IWPTL-G0750-00	0 - 750 mbar G	IWPTU-GP100-00	0-100 psi G	IWPTLU-GP010-00	0 - 10 psi G
IWPT-C0184-00	-1 to +24 bar G	IWPTL-G1000-00	0 - 1000 mbar G	IWPTU-C0447-00	-14.5 to +350 psi G	IWPTLU-GP015-00	0 - 15 psi G
IWPT-G2502-00	0 - 25 bar G	IWPTL-A0500-00	0 - 500 mbar abs	IWPTU-GP150-00	0-150 psi G	IWPTLU-AP005-00	0 - 5 psi abs
IWPT-G4002-00	0 - 40 bar G	IWPTL-A0750-00	0 - 750 mbar abs	IWPTU-GP300-00	0-300 psi G	IWPTLU-AP010-00	0 - 10 psi abs
IWPT-G1003-00	0 - 100 bar G	IWPTL-A1000-00	0 - 1000 mbar abs	IWPTU-GP750-00	0-750 psi G	IWPTLU-AP015-00	0 - 15 psi abs
IWPT-G2503-00	0 - 250 bar G			IWPTU-GP1K5-00	0-1500 psi G		
IWPT-G4003-00	0 - 400 bar G			IWPTU-GP3K6-00	0-3600 psi G		
				IWPTU-GP5K8-00	0-5800 psi G		

IWPT-SA (1/4" female - 1/4" male swivel adapter) can be used with any Pressure Transmitter to maximize transmission range

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