



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.

APPLICATIONS

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



PROPRIETARY WIRELESS COMMUNICATION USING THE 2.4GHZ ISM BAND

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

CONFIGURABLE TRANSMISSION RATES (1 SECOND TO 5 MINUTES)

Control when data is sent from the transmitter to meet the specific application needs or preserve battery life.

LONG OPERATIONAL LIFE

Lithium ion "C" cell battery lasts for 5 years when configured for a 10 second update rate.

WORKS DIRECTLY WITH A WIDE OFFERING OF INDUSTRIAL WIRELESS RECEIVERS

Allows a solution configuration that meets the specific application requirements thereby supporting self-contained circuits, local PC or PLC control, and cellular gateway options.



FORTY-ONE UNIQUE MODELS

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

FREE OF CHARGE CONFIGURATION SOFTWARE

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

DATA SECURITY

Confidently maintains data security from sensor transmitter to receiver ("Northbound") via AES-128 Encryption.

PIEZORESISTIVE THICK FILM OR SILICON SENSOR ELEMENTS WITH STAINLESS STEEL HOUSING

Ensures accurate media sensing and meets the needs of commercial and industrial environments.

132MM X 79MM OVERALL SIZE

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

TRANSMITS PRESSURE DATA TO A WIDE RANGE OF INDUSTRIAL WIRELESS RECEIVERS

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

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

CONTACT US

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Environmental Conditions & Thermal Effects

Media Temperature	-20°C to +135°C
Ambient Temperature	-20°C to +50°C
Storage Temperature	-20°C to +80°C
Humidity	5% to 95% RH non-condensing
Thermal Zero Shift	<±0.04% /FS/°C
Thermal Span Shift	<±0.02% /°C typical

System Performance

Accuracy (Non-linearity & Hysteresis)	<±0.25% /FS (BFSL)
Setting Errors (offsets)	Zero & Full Scale, <±0.5% /FS

Instrument Power Source

Battery Type	User replaceable Lithium C cell
Battery Life	Five years at 10 second update rate
Battery Shelf Life	10 years