



NEW PRODUCT HIGHLIGHT

INDUSTRIAL WIRELESS 4-20 mA LOOP TRANSMITTER

The IWmAT 4-20 mA Loop Transmitter has been designed to accept an input from an existing 4-20 mA signal and transmits that value to an Industrial Wireless Receiver or Gateway.

It is an important part of a wireless system that aids in the 24/7 monitoring of factory assets. The IWmAT 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.

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.

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.

SMALL FORM FACTOR FOR INSTALLATION IN CRAMPED SETTINGS

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



APPLICATIONS

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

SPECIFICATIONS

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

Material Specifications

Wireless Enclosure Material	Plastic
Weight	150g 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

ORDERING OPTIONS

Wireless transmitter	IWMAT-00
Spare battery	IBAT-1
Receivers	See IoT Gateway, IWR-1, IWR-5, IWR-PORT and IWR-USB datasheets
Five Channel Configuration Software	IWR-Set (free download*)

*Download user configuration software [here](#)

Instrument Power Source

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

Temperatures

Ambient Temperature range	-20°C to +50°C
Storage Temperature	-20°C to +80°C

Input/Output Signals

Input (transmitter)	4-20 mA (passive)
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