![Sensata Technologies logo]

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.

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.
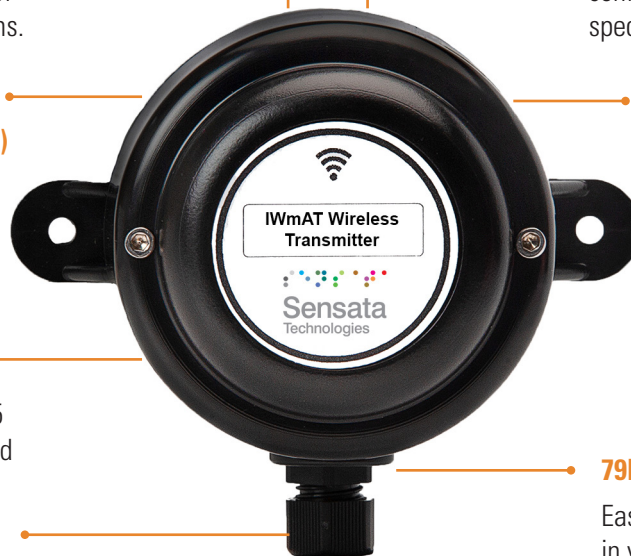
FREE OF CHARGE CONFIGURATION SOFTWARE

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.

79MM X 52MM HOUSING SIZE

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

IWmAT Wireless Transmitter

TRANSMITS MA DATA TO A WIDE RANGE OF INDUSTRIAL WIRELESS RECEIVERS

The IWmAT 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

Transmitter Output

*Transmission Frequency	2.4 Ghz using ISM bands
Transmit Power	18 dBm
System Channel	User selectable via DIL switch
Antenna	Integral 0dBi

*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	-20ºC to +50ºC
Storage Temperature	-20ºC to +80ºC

Input/Output Signals

Input (transmitter)	4-20 mA (passive)

CONTACT US

310 561 8092 / 1 866 258 5057
Cynergy3 Components LLC
11642 Knott Ave, E-5
Garden Grove 92841, CA
United States

+44 (0)1202 897969
c3w_sales@sensata.com
Cynergy3 Components Ltd.
7 Cobham Road,
Ferndown Industrial Estate,
Wimborne, Dorset,
BH21 7PE, United Kingdom

cynergy3
www.sensata.com