

IWTxT Wireless Transmitter

Model: IWTxT

Wireless Transmitter



Description:

The IWTxT transforms any standard 4-20 mA transmitter into a wireless unit with ease. Its operation involves activating power to the 4-20 mA transmitter, allowing a suitable settling time, and then transmitting the data to one of our standard wireless receiver units.

Specifically engineered for prolonged battery life, the IWTxT typically exceeds 12 months of usage in a standard application. Users can customize the data update rate to optimize battery longevity, with options including 1 second, 10 seconds, 60 seconds, or 1 hour. Additionally, the system provides a signal strength indicator and displays the time since the last transmission, both of which can be remotely monitored.

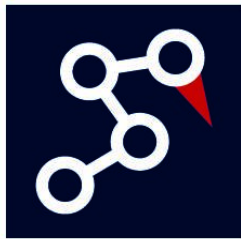
Designed to seamlessly integrate with the IWR range of receivers, the IWTxT complements devices like the IWR-1, capable of outputting a 4-20 mA or 1-5V signal, and the IWR-PORT, which can store up to 128 variables for transmission to industrial Ethernet or RS-232/485 communications links.

Product Highlights:

- Battery powered wireless transmitter
- Supplies excitation to 4-20 mA transmitters
- Long battery life
- Turns transmitters into wireless sensors
- Complete thermocouple, RTD, Pressure and Level wireless probes are available

Applications include, but not limited to:

- OEM installations
- Storage tanks and vessels
- Cable replacement systems
- Hydraulic/Pneumatic installations
- Remote test systems



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Specification:

Parameter	Min	Typ	Max	Comments
Supply Voltage		3.6V		Battery Powered (18V Tx Supply)
Supply Current (mA)			40	When transmitting data
Input Impedance (Volt)		15Ω		Dependent on range, typical = 4-20 mA
Operating Ambient	-200°C		55°C	
Relative Humidity	0%		90%	
Isolation Voltage	1kV			

Input (transmitter)	mV AC from an AC current transformer
Receiver Part Number Receiver Outputs	
IoT Gateway	Pairs with up to 128 wireless transmitters. Sends data via MQTT to on-premises servers or the cloud using the built-in 2G/3G or 4G modem. 8 Digital Inputs, 4 relay outputs.
IWR-PORT	RS-232 or RS-485 or Ethernet MODBUS Communications. Up to 128 off analog 4-20 mA or Relay outputs can be obtained by fitting extra ISOSLICE I/O modules
IWR-USB	Displays & Logs data on any PC running IWR-USB software
IWR-5	5 off 4-20 mA or 1-5 V dc and 1 Relay output
IWR-1	1 off 4-20 mA and 1-5 V dc and 1 Relay output

Mounting	Wall mounting
Orientation	Any
Connections	Screw clamp with pressure plate
Conductor size	0.5-4.0mm
Insulation Stripping	12mm
Weight	Approx 100g
Enclosure Size	160 x 90mm x 50mm deep

Connection Details

1. Battery -ve
2. Battery +ve
3. Input +ve
4. Tx Supply +ve



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Dimensional Drawings:

