



NEW PRODUCT HIGHLIGHT

IWR-1 SINGLE-CHANNEL WIRELESS RECEIVER

The IWR-1 is a single-channel receiver designed to pair with a single industrial wireless transmitter to form a cost-effective replacement of traditional wired transducers.

CONNECTS WITH A SINGLE WIRELESS TRANSMITTER

Replaces expensive or time consuming cable runs with a simple one-to-one wireless interface

SINGLE WIRED OUTPUT (USER-SELECTABLE 4-20MA OR 1-5V)

Provides simple integration to tower lights, audible alarms, or other local indication types in the work environment.

BUILT-IN ALARM FUNCTION

Eliminates troubleshooting by identifying and providing visual indication for low battery or loss of signal.

Incorporates a fail-safe alarm function.

PROPRIETARY WIRELESS COMMUNICATION USING THE 2.4GHZ ISM BAND

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

FREE OF CHARGE CONFIGURATION SOFTWARE

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

DATA SECURITY

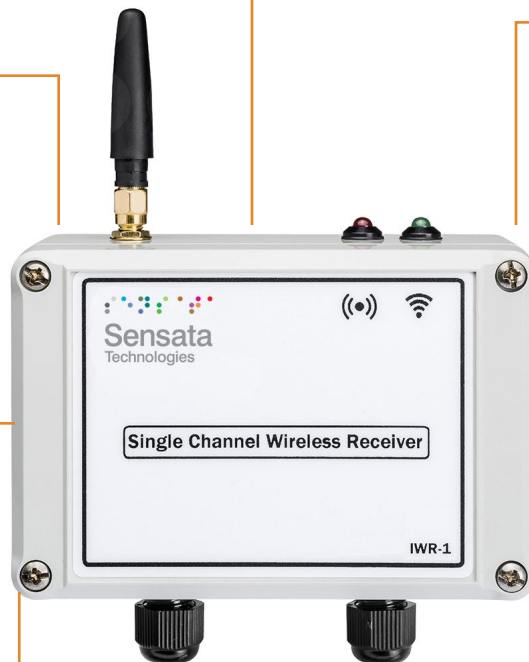
Confidently maintains data security from sensor transmitter to receiver ("Northbound") via AES-128 Encryption.

12-32V DC POWERED

Operates in any industrial or manufacturing environment without the need for an electrician.

120MM X 80MM X 57MM HOUSING SIZE

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



AGGREGATES REAL-TIME SENSOR DATA FROM ONE REMOTE TRANSMITTER AND SHARES IT WITH A LOCAL WIRED CIRCUIT.

The IWR-1 is an important part of a wireless system that aids in the 24/7 monitoring of factory assets. It provides factory personnel the ability to quickly setup and derive important information about their assets and automation systems.

SPECIFICATIONS

Electrical Protection

Outputs*	User selectable 1-5 V or 4-20 mA
Alarm Output	5 Amp rated changeover contacts
Receiver Update Rate**	10 seconds as standard
	Alternative user settable rates: - 1, 5, 10 and 30 seconds

*Factory preset is 4-20mA output

**Consult IWT installation manuals and data sheet for set-up of alternative transmission rates.

System Performance (@ +20°C)

Accuracy	<±0.25% FS BFSL
Setting Errors (offsets)*	Zero and Full Scale <±0.5% FS

*End-to-end zero tare function available, see user manual.

Instrument Power Source

DC Power	12 to 32Vdc
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Temperature Ratings

Operating Temperature	-10°C to +50°C
Storage Temperature	-20°C to +80°C

APPLICATIONS

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

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Enclosure Specifications

Dimensions	120 mm x 80 mm x 57 mm
Material*	Light grey ABS (RAL7035)
Protection Class	IP65
Weight	215g inc. 0dBI antenna (+12g with 3dBI)
Installation Position**	Any

*Other materials on request.

**Consult Installation Manual to ensure adequate signal path between transmitter and receiver.

Receiver Input

Receiver Frequency*	2.4GHz
System Channel	Standard setting, however user adjustable in multiple instrument systems
Antenna	Enclosure mounted 0dBi

*Compliant with EN 300 328, V1.8.1

