



NEW PRODUCT HIGHLIGHT

IWR-5 FIVE-CHANNEL WIRELESS RECEIVER

The IWR-5 is a five-channel receiver designed to pair with industrial wireless transmitters to form a cost-effective replacement of the traditional wired transducers.

CONNECTS WITH UP TO 5 WIRELESS TRANSMITTERS

Scales from one-to-many sensors using network designations without additional solution cost.

FIVE WIRED OUTPUTS (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

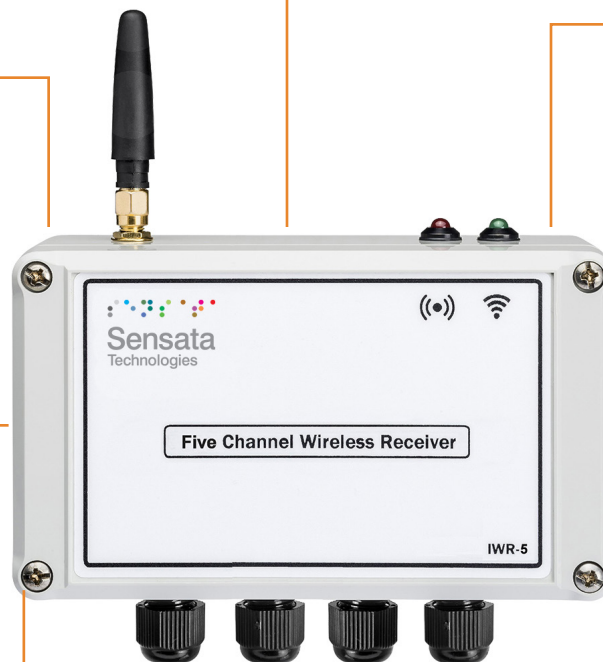
Confidently maintains data security from sensor transmitter to receiver ("Northbound") via AES-128 Encryption.

12-32V DC POWERED

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

160MM X 80MM X 57MM

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 A FIVE REMOTE SOURCES AND SHARES IT A MULTIPLE LOCAL WIRED CIRCUITS

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

* Factory preset to 4-20mA

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

Instrument Power Source

| | |
|-----------------|-------------|
| DC Power | 12 to 32Vdc |
|-----------------|-------------|

Temperature Ratings

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

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

APPLICATIONS

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

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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.

Enclosure Specifications

| | |
|--------------------------------|-----------------------------------------|
| Dimensions | 160 mm x 80 mm x 57 mm |
| Material* | Light grey ABS (RAL7035) |
| Protection Class | IP65 |
| Weight | 255g 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

