

WAND-RDC

The WAND Remote Data Collector (WAND-RDC) is an intrinsically safe, battery-powered device designed to be used with the WAND™ sensors. The WAND-RDC activates and collects thickness readings from TM sensors automatically at predefined intervals or on demand, it then transmits the data wirelessly via long range Bluetooth 5.0.

The WAND-RDC is configured using the Inductosense Data Analysis and Reporting Toolkit (iDART) software. Using iDART, the WAND-RDC can be prompted to retrieve live thickness readings, and also programmed to schedule automatic data collection at predefined intervals.

The WAND-RDC collects and logs thickness measurements, which can then be retrieved wirelessly by Bluetooth 5.0 at a range of up to 200m, making it ideal for difficult-access locations. The data can then be transferred to the iDART cloud with access to the internet.



- ① **Collects thickness readings from WAND sensors automatically at predefined intervals, or on demand**
- ① **Transfers data via long range Bluetooth 5.0, up to a 200m distance away**
- ① **Up to 8 TM sensors can be connected to each WAND-RDC device**
- ① **Utilizes WAND inductive coupling technology - thickness readings can be acquired from underneath coating and insulation**
- ① **Power efficient design (5-year minimum battery life based on 8 readings a day)**
- ① **No IT network set up is required to use**
- ① **Inbuilt thermocouple**

Specifications

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|-------------------------------|---|
| Product code | WAND-RDC |
| Dimensions (RDC module) | 19cm x 13cm x 9cm |
| Weight (RDC module) | 1.15kg |
| Dimensions (reader pad) | 7.5cm OD, 0.3cm thick |
| Reader pad cable length | 2m standard (variable lengths available on request) |
| Wireless communication | Bluetooth 5.0 |
| Wireless range | 200m (line of sight) |
| Port configuration | 8 x WAND sensor ports; 1 x thermocouple; 1 USB |
| Device storage | 1500 readings (at one time) |
| Battery life | 5-year minimum (based on 8 readings per day) |
| Minimum operating temperature | -20°C |
| Maximum operating temperature | 40°C |
| IP rating | IP66 |
| Certifications | Ex ia IIC T4 Ga |



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