

# 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.

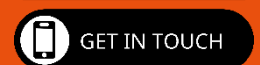
The WAND-RDC collects and logs thickness measurements, which can then be retrieved wirelessly by Bluetooth 5.0 at a range of up to 200m, making it ideal for difficult-access locations. The data can then be transferred to the iDART cloud with access to the internet.



- ③ **Collects thickness readings from WAND sensors automatically at predefined intervals, or on demand**
- ③ **Transfers data via long range Bluetooth 5.0, up to a 200m distance away**
- ③ **Up to 8 TM sensors can be connected to each WAND-RDC device**
- ③ **Utilizes WAND inductive coupling technology - thickness readings can be acquired from underneath coating and insulation**
- ③ **Power efficient design (5-year minimum battery life based on 8 readings a day)**
- ③ **No IT network set up is required to use**
- ③ **Inbuilt thermocouple**

# Specifications

Product code	<b>WAND-RDC</b>	
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	RDC V1: -20°C	RDC V2: -40°C
Maximum operating temperature	RDC V1: 40°C	RDC V2: 70°C
IP rating	IP66	
Certifications	Ex ia IIC T4 Ga	



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