Remote Data Collector

WAND-RDC activates TM sensors automatically at predefined intervals or on demand, it then transmits the data wirelessly via long range Bluetooth 5.0.
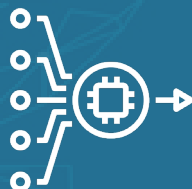
The WAND Remote Data Collector (WAND-RDC) is an intrinsically safe, battery-powered device designed to be used with up to 8 WAND TM sensors.

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.

5 year*
battery life

Multiple locations

ATEX Approved
Ex ia IIC T4...T3 Ga

Stores 1500 Readings

* based on 8 readings per day

Technical Specifications

Product Code	WAND-RDC
Dimensions	19cm x 13cm x 9cm
Weight	1.15kg
Dimensions (reader coil)	7.5cm OD, 0.3cm thick
Reader coil cable length	2 metres
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 at 20°C)
Operating temperature	Min: -20°C / Max: 70°C
Environmental temperature	Min: -40°C / Max: 70°C
IP rating	IP66
Certifications	V1: Ex ia IIC T4 Ga (Ta = -20°C to +40°C) V2: Ex ia IIC T4 Ga (Ta = -40°C to +70°C)
Data retrieval method	Via Bluetooth 5.0 USB dongle

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