WAND-Online
Data Sheet

WAND-Online 4G

The WAND-Online subscription service provides remote, cost-effective, real-time wall-thickness monitoring reducing the need for personnel on-site.

WAND-Online

WAND-Online enables thickness measurements from installed WAND TM Sensors to be automatically directed to the cloud-based Inductosense Analysis and Data Reporting Toolkit (iDART) software. The sensors are installed on the surface of pipework or vessels. The low profile design allows them to be embedded underneath coatings, insulation or composite repair.

The WAND Remote Data Collectors (RDCs) acquire the measurements from the sensors at pre-defined intervals. The data is then sent via Bluetooth 5.0 to a Gateway which in turn transmits the data via 4G to the iDART software.

WAND-Online is simple to set up and provides accurate, trendable wall-thickness data. It operates via 4G network without the need for an on-site wireless network, making it ideal for remote sites with minimal infrastructure.

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Technical Specifications

Gateway Specification*	X2000
Dimensions	186mm (W) x 159mm (L) x 254mm (H)
	7.3inches (W) x 6.3inches (L) x 10inches (H)
Weight	1450g
Connectivity	BLE 5.0 long range (CODED PHY)
Frequency	2.400-2.483 GHz
Bluetooth Range	200 m (line of sight); 100 m (typical industrial environment)
Cellular Modem	Quectel EG25-G
Cellular Network Technology	4G LTE Cat 4
Max RDCs per Gateway	10 @ 8 sensors/RDC (1 reading/day)
Mounting	Wall or pole mounting kit inc.
IP Rating	IP66
Operating Temperature	Min: -20°C / Max: 60°C	Min: -4°F / Max: 140°F
Storage Temperature	Min: -35°C / Max: 70°C	Min: -31°F / Max: 158°F
Humidity	0% to 90% non-condensing
Power Supply**	12V DC power adapter

*ATEX-compliant and Ethernet backhaul options available for specific applications.

**The DC connector must have a centre-positive configuration, with an inner diameter of 2.5 mm and an outer diameter of 5.5 mm. The output power should be 24W or greater.

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