

# Wireless module for thermocouple



The Wireless Value DLTh measures thermocouple signals and transmits data to the base station. Sensing is performed using any available thermocouple sensor of the J, K, N, T or S type.

## Overview

- Accurate and wireless sensing
- Battery life of 10 years
- Compatible with all WiSensys Base Stations
- 1.000 metre range (line of sight)

## Applications

- Hospitals
- Laboratories
- Industrial

## Specifications

- Ability to buffer 10,000 measurements
- Programmable measuring interval
- Attractive ABS enclosure
- Wall-mountable
- Easy to add sensors to operational system
- User-replaceable battery
- Unique network ID to avoid interference with other wireless systems

## Sensor values are sent by the paired Base Station to:

- Wireless Value Online Portal (LAN of mobile provider)
- Wireless Value Online Portal (on premises)
- Modbus-network (IP or RS485)
- SensorGraph via serial interface or LAN

# Wireless sensor for thermocouple

## Technical specifications

<b>Design</b>	Wireless module
<b>Type</b>	External
<b>Sensor type</b>	Thermocouple; J, K, N, T or S type
<b>Measurement range</b>	
<b>Range</b>	-100° C to +800° C, dependend on thermocouple type
<b>Measurement accuracy</b>	
<b>Accuracy</b>	+/- 0.1% +/- 0.5 °C
<b>Resolution</b>	0.1°C
<b>Measurement interval</b>	Configurable between 1 second and 255 minutes, default 2 minutes
<b>Operating limits</b>	-20 °C to +80 °C
<b>Power</b>	1 AA 3,6 V Lithium battery
<b>Battery life</b>	up to 10 year with an interval of 5 minutes
<b>Memory</b>	10.000 measurements
<b>Radio standard</b>	EN 300 220
<b>Frequency</b>	868 - 870MHz (915MHz where applicable)
<b>Range</b>	1.000 m with free line of sight
<b>Housing</b>	IP65
<b>Color</b>	matt black
<b>Dimensions</b>	105(w) x 70(h) x 34(d) mm, excl. gland & wall mount
<b>Weight</b>	93 g (excluding battery)
<b>Configuration</b>	SensorGraph or Wireless Value Online Portal
<b>Regulatory</b>	RED, CE
<b>Ordering options</b>	
<b>Housing options</b>	Yes
<b>External antenna</b>	Yes
<b>Pressure relief valve</b>	Yes
<b>External power supply</b>	Yes

