


Technical Information**

Power supply	2.4A/h - 3.6V type "AA" lithium internal battery
Battery life (*)	Up to 5years <i>(samples every 10 minutes and radio signal quality at least sufficient)</i>
Measures acquired (3 input channels)	<ul style="list-style-type: none"> Indoor temperature Relative humidity Light intensity
Sampling interval (*)	Selectable from one minute to 24 hours (10 minutes default)
Datalogger capacity	64,000 samples (for each channel)
Working temperature	<ul style="list-style-type: none"> Operative: -30°C ÷ +60°C Warehousing: -40°C ÷ +70°C
Radio frequency	ISM 868MHz
Radio coverage 	Up to 6Km in line of sight <i>(can be extended using WR12 battery powered routers)</i>
Sealing	IP30
Dimensions	80x80x25mm
Weight	100g
Case material	ABS
Mounting	Fix on 2/4 points
Connections	Wireless, USB



Wireless Smart Datalogger.

The **WSD00TH2L** is a **dataloggers** with three input channels to acquire indoor temperature, relative humidity and light intensity, with storage functionality of samples acquired.

Equipped with a self-calibration photodiode that simulates the human eye answer, with an excellent infrared rejection. 50/60Hz artificial light flicker rejection.

The radio module High Reliability (unique 868MHz radio technology. implementing frequency hopping on 11 channels) based on **WINECAP™ LuPo** protocol (Long Range) provides an excellent radio range, low battery consumption and the certainty of data recovery in any situation (black out/ signal obstacles).

With a backup memory onboard may store the last 64,000 samples per channel even if the wireless link is down. Samples can be downloaded using a USB connection.

Using the configuration software the sampling interval may be set and two thresholds per channel can be activated.

May be interfaced with:

- all the **basestations** of [MWDC](#) product line
- all the **basestations** of [MWLI](#) product line

If necessary, radio coverage may be extended up to 16 times using [WR12 routers](#) (battery powered repeaters with battery life up to 7 years) between the datalogger and the **basestation**.

Indoor temperature

Transducer type	NTC10KΩ
Measure range	-10°C ÷ +60°C
Measure accuracy	±0.2°C in whole range
Measure resolution	0.01°C

Relative humidity

Transducer type	CMOSens® Technology
Measure range	0 ÷ 100%
Measure accuracy	2.0% (typical) from 0 to 90%
Measure resolution	0.05%RH

Light intensity

Transducer type	Photodiode array
Measure range	0 ÷ 16KLux
Measure resolution	1Lux

* battery life may be influenced by fieldwork conditions, sampling interval and system configuration. - refer to User Manual.

** Available with ACCREDIA calibration certificate or manufacturer certificate.

The features shown may be subject to change without notice.