


## Technical Information\*\*

Power supply	8.5A/h - 3.6V type "C" lithium internal battery
Battery life (*)	Up to 10 years (samples every 10 minutes and radio signal quality at least sufficient)
Measures acquired (1 input channel)	Outdoor temperature
Sampling interval (*)	Selectable from one minute to 24 hours (10 minutes default)
Datalogger capacity	128,000 samples (for each channel)
Working temperature	<ul style="list-style-type: none"> <li>Operative: -30°C ÷ +60°C</li> <li>Warehousing: -40°C ÷ +70°C</li> </ul>
Radio frequency	ISM 868MHz
Radio coverage 	Up to 6Km in line of sight (can be extended using <a href="#">WR12</a> battery powered routers)
Sealing	IP65
Dimensions	90x120x50mm
Weight	350g
Case material	ABS
Mounting	Fix on 4 points
Connections	Wireless, USB



### Wireless Smart Datalogger

The **WSD12T** is a **dataloggers** with one input channel to acquire outdoor temperature, (with low response time) with storage functionality of samples acquired.

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 128,000 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 [MWDG](#) 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**.

## Outdoor temperature

Transducer type	Class "A" PT1000
Measure range	-30°C ÷ +50°C
Measure accuracy	± 0.25°C
Measure resolution	0.01°C
Time constant	3 minutes

\* 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.