


Technical Information

Power supply	2.4Ah - 3.6V type "AA" lithium internal battery
Battery life (*)	Up to 5 years <i>(samples every 10 minutes and radio signal quality at least sufficient)</i>
Measures acquired (2 input channels)	<ul style="list-style-type: none"> • Diagnostic information and radio signal quality • Indoor temperature
Sampling interval (*)	Selectable from one minute to 24 hours <i>(10 minutes default)</i>
Datalogger capacity	8,000 samples <i>(for each channel)</i>
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 repeaters)</i>
Sealing	IP30
Dimensions	105 x 65 x 18 mm
Weight	130g
Case material	ABS



Radio tester with indoor temperature measurement.

The **WD04T** is a device to monitor radio signal level of wireless network thanks to the "Test Link Radio" function.

Is used to verify quality and coverage of radio signal in different measure points and to identify best positions for [WR12](#) repeaters if needed.

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 8,000 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 repeaters](#) (*battery powered repeaters with battery life up to 7 years*) between the datalogger and the **basestation**.

Indoor temperature

Transducer type	NTC10K
Measure range	-10°C ÷ +60°C
Measure accuracy	±0,2°C in whole range
Measure resolution	0.01°C

Radio tester

Radio signal level	In % or dBm - selectable
Radio reference indicator	Net Id Basestation/Repeater
Display	128x64 pixels graphic OLED
Operative keys	1 - placed in the middle of Winecap™ logo

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

The features shown may be subject to change without notice.