




WSD10-MiGG

Wireless Smart Datalogger
Outdoor Temperature, Daily Medium
Outdoor Temperature, DPR412 and Real
Degree Days Mesurer/Recorder



Technical Information **

Power supply	8.5Ah - 3.6V type "C" lithium internal battery
Battery life (*)	Up to 10 years <i>(samples every 10 minutes and radio signal quality at least sufficient)</i>
Measures acquired (4 input channels)	Outdoor temperature
Processing supplied	<ul style="list-style-type: none"> • Daily medium temperature • DPR412 Degree Days • Real Degree Days
Sampling interval (*)	Selectable from one minute to 24 hours (20 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 repeaters)</i>
Sealing	IP65
Dimensions	157x90x50mm (300mm sensor extension)
Weight	360g
Case material	ABS
Mounting	Fix on 4 points
Connections	Wireless, USB



Wireless Smart Datalogger.

The **WSD10MiGG** is a datalogger with 4 input channels to acquire outdoor temperature and provide on three different channels results coming from following processing:

- Daily medium temperature
- Degree day in accordance with DPR412
- Real degree days related to a reference temperature

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 [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**.

Outdoor temperature

Transducer type	"A" class PT1000
Measure range	-30°C ÷ +50°C
Measure precision	± 0.25°C in whole range
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.

The features shown may be subject to change without notice.