



















Transducers power supply

Wireless datalogger designed to measure four analog inputs voltage measurement or current, capable of powering external transducers with a 12Vdc or 24Vdc power supply.

Suitable to:

- External transducers power supply
- 0÷5V, 0÷10V, 0÷25Vdc o 0÷25mA inputs

Main features

- Easy to install
- IP65 sealing
- Up to 3 years of battery life













Power supply	Double 5,8Ah - 3,6 V type "C" lithium internal
	battery
Battery life (*)	Up to 3 years
	(with 100mA charge distributed on 4 analog channels, 1
	second warm-up time, 12V or 24V power supply, samples
	every 60 minutes and radio signal quality at least
	sufficient)
Power supply generated for	+12Vdc or +24Vdc (<i>up to 100mA</i>)
transducers	(Selectable onboard using jumpers)
Warm-up time	From 1 (default) to 32 seconds
	(Selectable using WineCapManager)
Sampling interval (*)	Selectable from one minute to 24 hours
	(60 minutes default)
Datalogger capacity	64,000 samples (for each channel)
Working temperature	• Operative: -30°C ÷ +60°C
	• Warehousing: -40°C ÷ +70°C
Radio frequency	ISM 868MHz
Radio coverage	Up to 6Km in line of sight
	(can be extended using WR12 battery powered
	repeaters)
Sealing	IP65
Dimensions	90x160x50mm
Weight	450g
Case material	ABS
Mounting	Fix on 4 points
Connections	Wireless, USB
Cable external diameter	4.7mm maximum
Copper wire section	0.05 ÷ 2.5mm² / ÷ 14 AWG

Acquired quantities

Possible Input Signals (up to 4)	0÷5Vdc, 0÷10Vdc, 0÷25Vdc, 0÷25mA
Resolution	12 bits converter
Measurement Expression	Expressed as full scale % setting
Transducers Connection	Through 5mm pitch screw terminal blocks
Settings (measure/system of measure)	Using jumpers

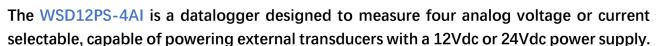












The main feature of the instrument is the capability to autonomously externally power transducers by supplying a continuous voltage of 12Vdc or 24Vdc, up to 100mA distributed on the 4 analog channels.

Measurements acquired are expressed in percentage of full scale.

The datalogger acquires four configurable measure channels: $0 \div 5 \text{Vdc}$, $0 \div 10 \text{Vdc}$, $0 \div 25 \text{Vdc}$ or $0 \div 25 \text{mA}$.

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 gateways of <u>MWDG</u> product line
- all the gateways of MWLI product line

If necessary, radio coverage may be extended up to 16 times using <u>WR12 repeaters</u> (battery powered repeaters with battery life up to 7 years) between the datalogger and the gateway.

* 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