



Datalogger for monitorization of CO2 levels, ambient temperature and ambient humidity, with a WiFi communication interface.

## TECHNICAL SPECIFICATIONS

<b>CPU</b>	32bits microcontroller @80MHz with 60Kb RAM
<b>Memory</b>	Dataflash of 4 Mb for data storage.
<b>Real time clock</b>	Internal without battery
<b>ADC</b>	ADC 10bits
<b>Watchdog timer (WDT)</b>	Internal Watchdog available.
<b>Device configuration</b>	Basic configuration by the use of an embedded web server.

## SENSORS

<b>Temperature sensor</b>	Range: -20 to 60°C Resolution: 0,1 °C Precision: +-0,5 °C
<b>Humidity sensor</b>	Range: 0-100 % Resolution: 0,1 % Precision: +-5%
<b>CO<sub>2</sub> sensor</b>	Range: 400-2000ppm Resolution: 1ppm Precision: 50ppm

## SUPPLY CIRCUIT

<b>Supply voltage</b>	12-30V
<b>Maximum consumption</b>	<0,5W

## ENVIRONMENTAL CONDITIONS

<b>Working temperature</b>	-20° ~ 60°C
<b>Humidity</b>	5% ~ 95% (without condensation)
<b>Degree of protection</b>	IP20

## INFORMATION ABOUT ORDERS

<b>Minimum order</b>	1
<b>Order reference</b>	Winspire

## CONSTRUCTION FEATURES

<b>Dimensions</b>	65x50x35 mm (W/H/D)
<b>Box material</b>	Polycarbonate
<b>Installation type</b>	Superficial installation

## CERTIFICATES AND DECLARATIONS

<b>Rules</b>	EN 61000-6-2:2005. EN 61000-6-3:2007 + A1:2011.
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This product is compatible with the RoHS (2011/65/UE)