



Product ID: Wilnspire
Category: Wi-Fi Data Logger

Data logger for monitoring CO₂, ambient temperature and relative humidity, with Wi-Fi connectivity.

TECHNICAL SPECIFICATIONS

CPU	32-bit microcontroller @ 80 MHz with 60 KB RAM
Memory	4 MB DataFlash memory for data storage
Real-time clock	Internal without battery
ADC	10-bit ADC
Watchdog timer (WDT)	Internal watchdog available
Device Configuration	Basic configuration via embedded web server

CHARACTERISTICS

Temperature sensor	Range: -20-60°C, Resolution: 0.1°C, Accuracy: ±0.5°C
Humidity sensor	Range: 0-100%, Resolution: 0.1%, Accuracy: ±5%
CO2 sensor	Range: 400-2000ppm Resolution: 1ppm Accuracy: 50ppm

POWER SUPPLY CIRCUIT

Supply voltage	12-30V
Maximum Power Consumption	<0.5W

ENVIRONMENTAL CONDITIONS

Operating temperature	-20° ~ 60°C
Humidity	5% ~ 95% (non-condensing)

ORDER INFORMATION

Minimum order quantity	1
Ordering Code	Wilnspire

MECHANICAL SPECIFICATIONS

Dimensions	71x71x27 mm (W/H/D)
Box Material	ABS plastic
Mounting type	Surface-mounted
Degree of protection	IP20

Weight	54g 131g with power supply
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CERTIFICATES AND DECLARATIONS

Standards	EN 61000-6-2:2019 EN 61000-6-3:2007 + A1:2011
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Product compliant with
RoHS (2011/65/EU)