

T6541 - CO2

Model: T6541



CO2 sensor with built-in temperature sensor

Web Sensor with built-in CO₂ concentration, relative humidity and temperature sensors.

A multiple point CO₂ and temperature adjustment procedure leads to excellent CO₂ measurement accuracy over the entire temperature working range; this is a must for process control and outdoor applications. The dual wavelength NDIR CO₂ sensing procedure compensates automatically for ageing effects. The CO₂ module is highly resistant to pollution and offers maintenance free operation and outstanding long term stability.

High precision capacitive polymer sensor ensures excellent long term calibration stability and ultimate accuracy. Dual line LCD is an advantage. Measured values are also converted to other humidity interpretation: dew point temperature, absolute humidity, specific humidity, mixing ratio and specific enthalpy.

The CO₂ concentration is shown on the display or signaled by a color LED.

Processing and analysis of measured data:

- online in [COMET Cloud](#)
- [COMET Database](#) software
- [integration into 3-party systems](#)

Table

Model	T6541
Measures	CO ₂ + RH + Temp
Output	4-20mA
Power	12V
Dimensions	
Weight	
Material	
LCD	
PoE	
CO ₂ range	0-10000ppm
CO ₂ accuracy	±(100ppm + 5%RH) at 25°C and 1013hPa
Humidity range	0 to 100%
Humidity accuracy	±2.5%RH 5-95% @ 23°C
Temp range	0.6°C
Temp accuracy	0.1°C @ 0.1%RH @ 1ppm
Response time	2s
CO ₂ response	15s
Power	12VDC
Dimensions	45x45x45mm

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□□□□□□	-30□+60°C
IP□□□□	IP30
LAN□□	RJ-45□□□□10Base-T□□100Base-TX
□□□□	WWW□ModbusTCP□SNMPv1□SOAP□XML
□□□□	Email□SNMP Trap□Syslog
□□	T-Sensor□WWW□□
□□	9-30Vdc□□□□□1W
□□□□□	□□□□□5.5 x 2.1mm
□□□□□□	1□□2□□□4□□□
□□	88.5 x 147.5 x 39.5mm (W x H x D)
□□	□□160g
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