

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

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|--------------------------|---|
| Model | T6541 |
| Measurement | CO ₂ + RH + Temp |
| Probe | Optional |
| Power | 12V |
| Dimensions | |
| Weight | |
| Material | |
| LCD | Yes |
| PoE | Yes |
| CO ₂ range | 0 to 10000 ppm |
| CO ₂ accuracy | ±(100 ppm + 5% RH) at 25°C and 1013 hPa |
| 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 @ 1 ppm |
| Response time | 2s |
| CO ₂ response | 15s |

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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 |
| □□ | 3□ |