

**T6541 - CO2**

□□: T6541

C02T

Web Sensor with built-in CO<sub>2</sub> concentration, relative humidity and temperature sensors.

A multiple point CO<sub>2</sub> and temperature adjustment procedure leads to excellent CO<sub>2</sub> measurement accuracy over the entire temperature working range; this is a must for process control and outdoor applications. The dual wavelength NDIR CO<sub>2</sub> sensing procedure compensates automatically for ageing effects. The CO<sub>2</sub> 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 CO<sub>2</sub> 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](#)

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|             |                                      |
|-------------|--------------------------------------|
| PM          | PM                                   |
| PM10        | CO2+PM+PM10                          |
| PM2.5       | PM2.5                                |
| PM10-2.5    | PM                                   |
| PM2.5-1.0   |                                      |
| PM10-PM2.5  | PM                                   |
| PM2.5       | PM                                   |
| LCD         | PM                                   |
| PoE         | PM                                   |
| CO2         | 0~10000ppm                           |
| CO2         | ±(100ppm + 5%RH) at 25°C and 1013hPa |
| Humidity    | 0 to 100%                            |
| Humidity    | ±2.5%RH 5-95% 23°C                   |
| Temperature | 0.6°C                                |
| PM          | 0.1°C 0.1%RH 1ppm                    |
| PM          | 2s                                   |
| CO2         | 15s                                  |

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| □□□□□□□□□□□- □□□□□□□□□□□□ | ±1.5°C□□□□□□T□25°C□□□□□30%□□□-60 to +80°C |
| □□□□□□□□□□                | □□□□□□□                                   |
| □□□□□□□                   | -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□                                        |