

# OMET TA7640 CO<sub>2</sub> Web Sensor PoE



Model: TA7640

OMET TA7640 Web Sensor is a high-precision digital CO<sub>2</sub> sensor with IAQ function. CO<sub>2</sub> is measured by NDIR technology with a range of 0 to 10,000 ppm.

The device also measures temperature and humidity.

The device features an LED indicator for status.

OMET TA7640 Web Sensor is a Humidex sensor with PoE interface.

Features:

- High-precision digital CO<sub>2</sub> sensor
- IAQ function
- LCD display and LED indicator
- 5-24 V PoE
- Humidex sensor
- Web interface: IPv4/IPv6, Modbus TCP, COMET Cloud, HTTPS, SNMPv3, TLS
- PoE interface

Specifications

Operating Temperature	-30 °C to +60 °C
Temperature Accuracy	±0.4 °C
Temperature Resolution	0.1 °C
Operating Humidity	5% to 95% RH
Humidity Accuracy	±5% RH to 60% RH, ±2.5% RH
Humidity Resolution	0.1% RH
Storage Temperature	-60 °C to +80 °C
Storage Humidity	5% to 95% RH, T < 25 °C, RH > 30% ±1.6% RH
Storage Accuracy	±0.1 °C
CO <sub>2</sub> Accuracy	±0.1 ppm
CO <sub>2</sub> Resolution	1 ppm
CO <sub>2</sub> Range	0 to 5000 ppm
CO <sub>2</sub> Accuracy (at 25 °C, 1013 hPa)	±(50 ppm + 3%)
CO <sub>2</sub> Resolution	1 ppm
Operating Pressure	600 to 1100 hPa
Pressure Accuracy	±0.1 hPa (at 23 °C, 800 to 1100 hPa)
Pressure Resolution	0.1 hPa
Operating Voltage	5-24 V PoE
Operating Current	~0.5 A
Storage Temperature	-30 °C to +60 °C

CO <sub>2</sub>	CO <sub>2</sub> CO <sub>2</sub>
Humidity	Humidex
Temperature	(°C) (°F)
Pressure	hPa kPa mbar mmHg inHg inH <sub>2</sub> O PSI oz/in <sup>2</sup>
Power	PoE IEEE 802.3af 5-24 V DC
IP	IPv4 IPv6
Protocols	HTTP(s) Web WWW HTTP GET JSON XML Modbus TCP SNMPv1 SNMPv2c SNMPv3
Logging	SMTP Syslog
Response Time	1 s
IP Rating	IP30 IP40
Dimensions	116 × 85 × 42 mm 77 × 18 mm
Weight	240 g
Warranty	3