



## Orbisphere Carbon Dioxide (CO<sub>2</sub>) TC Sensor, with nitrogen purge, protection cap, ext. temp. sensor (20 bar)

**Product #:** 31490TC  
**ZAR Price:** Contact Hach

### Selective gas measurement

Carbon Dioxide TC sensor with nitrogen purge and protection cap. With with external temperature sensor adapter.

Sensor cable to be ordered: 32505.03.

Maximum pressure: 20 bar

This sensor is the successor model for 31460 and 31450.

### Unique thermal conductivity (TC) sensor design

**No sample preparation required, the gas concentration is measured directly in the sample**

**Rugged construction can handle harsh plant conditions and high sample pressures**

**High temperature resistance to withstand cleaning in place (CIP)**

**Fast response time to improve plant productivity**

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### Specifications

Accuracy:	(Sample temp. 20 - 50°C within ± 5°C of calibration temperature)
Accuracy 2:	The greater of ±1% of reading or ±8 mbar or ±0.012 g/kg or ±0.006 V/V (Sample temperature 0 - 50 °C independent of calibration temperature)  The greater of ±2% of reading or ±14 mbar or ±0.048 g/kg or ±0.02 V/V
Application:	Inline beverage
Certifications:	2004/108/EC - EN 61326-1
Cycle Time:	22 s
Flow Rate:	Typical Flow Rate 100 mL/min
Protection Class:	IP65
Range:	Range at 25 °C, 0 - 10 bar, 0 - 15 g/kg, 0 - 7 V/V
Sample Pressure:	0 - 20 bar
Temperature Range:	-5 - 50 °C
Warranty:	12 months
Weight:	0.95 kg
What's included?:	Sensor only.

Controller, sensor cable, flow-chamber or process connection must be ordered separately.

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