Orbisphere Carbon Dioxide (CO₂) TC sensor with nitrogen purge, protection cap, ext. temp. sensor (20 bar)

Product #: 31490TC
USD 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.

Patented 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

Specifications

Accuracy: (Sample temp. 20 - 50°C within ± 5°C of calibration temperature)

The greater of ±1% of reading or ±8 mbar or ±0.012 g/kg or ±0.006 V/V

Accuracy 2: (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

Weight: 0.95 kg

What's included?: Sensor only.

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

What's included?

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