



Orbisphere High Pressure Nitrogen (N₂) TC sensor with carbon dioxide purge, protection cap, ext. temp. sensor (170 bar)

Product #: 31590HP

OBSOLETE ITEM
This item is no longer available.

Selective gas measurement

High Pressure Nitrogen TC sensor with carbon dioxide purge and protection cap. With external temperature sensor adapter. Sensor cable to be ordered: 32505.03. Maximum pressure: 170 bar.

This sensor is the successor model for 31560HP.

Unique thermal conductivity (TC) sensor design

Continuous nitrogen measurements in gaseous or liquid samples

Rugged construction can handle harsh plant conditions and high sample pressures

Fast response time to improve plant productivity

Compact design for easy insertion into a process line or a flow chamber

Specifications

Accuracy:	(Sample temp. 20 - 50 °C within ± 5°C of calibration temperature) The greater of ±2% of reading or ±15 mbar or ±0.3 ppm or ±0.25 mL/L
Accuracy 2:	(Sample temp. 0 - 50 °C independent of calibration temperature) The greater of ±4% of reading or ±34 mbar or ±1 ppm or ±0.8 mL/L
Application:	In-line beverage, semi-conductors industry
Certifications:	2004/108/EC - EN 61326-1
Cycle Time:	22 s
Flow Rate:	Typical Flow Rate 300 mL/min
Parameter:	High Pressure Nitrogen (TC)
Protection Class:	IP65
Purge connection:	Carbon Dioxide Purge
Range:	Range at 25 °C: 0 - 20 bar, or 0 - 350 ppm, or 0 - 300 mL/L
Sample Pressure:	0 - 170 bar
Temperature Range:	-5 - 50 °C
Warranty:	6 months
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.