



## Orbisphere Nitrogen (N<sub>2</sub>) TC sensor with argon purge, protection cap, ext. temp. sensor (20 bar)

Product #: 31593TC

AED Price: Contact Hach

### Selective gas measurement

Nitrogen TC sensor with argon purge and protection cap. With external temperature sensor adapter. Sensor cable to be ordered: 32505.03. Maximum pressure: 20 bar.

This sensor is the successor model for 31553, 31553GP, and 31563.

### 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

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## Specifications

Accuracy: (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

Measuring range: Range at 25 °C 0 - 20 bar, or 0 - 350 ppm, or 0 - 300 mL/L

Parameter: Nitrogen (TC)

Protection class: IP65

Purge connection: Argon purge

Sample pressure: 0 - 20 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.

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