



Orbisphere Hydrogen (H₂) TC Sensor with argon purge, protection cap, ext. temp. sensor (20 bar)

Product #: 31291TC

OBSOLETE ITEM
This item is no longer available.

Allows you to monitor hydrogen in the power production process.

Standard Hydrogen 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 31261, 31261GP, and 31251.

Unique thermal conductivity (TC) sensor design

Selective and precise measurement of hydrogen in gaseous or liquid samples

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

Rugged construction can handle harsh plant conditions and high sample pressures

Flexibility of installation for better process control and very low maintenance

Specifications

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|--------------------|---|
| Accuracy: | (Sample temp. 20 - 50°C within ± 5°C of calibration temperature) The greater of Membrane 29561A: ±1% of reading, or ±2 ppb, or ±0.03 cc/kg, or ±1.5 bar Membrane 2952A: ±1% of reading, or ±8 ppb, or ±0.1 cc/kg, or ±6 mbar Membrane 2935A: ±1% of reading, or ±25 ppb, or ±0.4 cc/kg, or ±20 mbar |
| Application: | Power |
| Purge connection: | Argon Purge |
| Range: | Range at 25 °C Membrane 29561A: 0 - 2 ppm, or 0 - 25 cc/kg, or 0 - 1.5 bar Membrane 2952A: 0 - 10 ppm, or 0 - 120 cc/kg, or 0 - 6 bar Membrane 2935A: 0 - 20 ppm, or 0 - 220 cc/kg, or 0 - 12 bar |
| Sample Pressure: | 0 - 20 bar |
| Temperature Range: | -5 - 50 °C |

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| 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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