



Orbisphere Hydrogen (H₂) TC Sensor with carbon dioxide purge, protection cap, ext. temp. sensor (170 bar)

Product #: 31292HP

ZAR Price: Contact Hach

Allows you to monitor hydrogen in the power production process.

High Pressure Hydrogen TC sensor with carbon dioxide purge and protection cap. With with external temperature sensor adapter.

Sensor cable to be ordered: 32505.03.

Maximum pressure: 170 bar

This sensor is the successor model for 31262HP.

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

| | |
|--------------------|---|
| 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: | Carbon Dioxide 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 - 170 bar |
| Temperature Range: | -5 - 50 °C |
| Weight: | 0.95 kg |

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| What's included?: | Sensor only. |
| | Controller, sensor cable, flow-chamber or process connection must be ordered separately. |

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