

BHyT Series: Fuel Cell

Hydrogen Pressure Transducer



Trusted Technology

Deliver the right control solutions

BHyT Series: Fuel Cell Hydrogen Pressure Transducers

- Advanced sensor signal conditioning ASIC ensures high accuracy 0.25% and low offset error at zero pressure.
- Offers wide operating temperatures -40C to +100C and water tight IP67 protection and compatibility with demanding media such as H2 and O2.
- Superior EMC/EMI protection as per IEC61000 standards & thermally compensated sensors ensure high accuracy over wide temperature ranges to mitigate thermal errors on sensitive components
- • Has the ability to measure pressure ranges from Vacuum to 10,000 psi (650 bar)

NEW



Our latest design addresses the industry's need for an accurate and reliable pressure transducer for hydrogen applications that mitigates hydrogen permeation, embrittlement and leakage providing long term safety and stability even at high pressures. The compact construction in our BHyT Cell hydrogen pressure transducers are designed for applications like fuel cells and electrolyzers, where space is a premium while offering reliability in high pressure applications.



BHyT Cell hydrogen pressure transducer are a critical component in fuel cell applications, ensuring the safe and efficient operation of fuel cell systems by monitoring and controlling hydrogen gas pressure. Its role in maintaining optimal pressure conditions contributes to the overall performance, longevity, and safety of fuel cell systems used in various applications, including automotive, stationary power generation, and more.

Designed to Maintain Stability

The BHyT Fuel Cell represents a cutting-edge pressure transducer meticulously designed to excel in hydrogen-related applications, with a specific focus on fuel cell systems. It sets a new standard by prioritizing precision, safety, resilience, and efficiency, rendering it an ideal choice for industries demanding precise pressure monitoring within



Leverage our Engineering Expertise to Make Exactly What You Need

Modify Standard Products for Your Project

Barksdale offers more than 50 product families and millions of configured options to measure, monitor and control processes essential to the industrial, oil and gas, and transportation industries. We can make basic modifications to these standard products and options to ensure they're exactly matched to your project's requirements. Our customization capabilities include:

- Communication protocols
- Custom outputs
- Electrical connection
- Level or temperature probe length and output
- Port size and location
- Extended pressure, temperature or flow ranges
- Process connection
- Product certification
- Factory setpoints for temperatures and pressures
- Design and validation for specific media compatibility
- Wetted material (fitting, diaphragm, O-ring)
- Wire cable, color and length



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