

BHyT Series: Refuel and Cell

Hydrogen Pressure Transducer



Trusted Technology

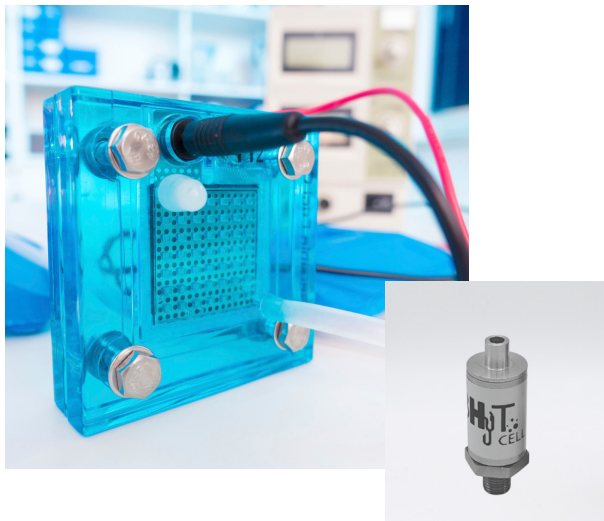
Deliver the right control solutions

BHyT Series: Refuel and 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.
- Protects against the effects of pressure hammering and spikes, our sensors are rated for 7X - 23X for the working pressure.
- Has the ability to measure pressure ranges from Vacuum to 1,400 BAR (20,000 psi) and ATEX certifications.



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.



Our BHyT Refuel pressure transducers offer explosion proof and intrinsically safe applications to both European and North American standards up to 1,400 BAR (20kpsi) with autoclave pressure connections and sensor technology to ensure safety and performance in critical applications such as refueling stations. The BHyT transducers are designed to maintain stability throughout the pressure range reducing downtime, maintenance and calibration costs.

Designed to Maintain Stability

- Compact-sized/explosion proof pressure transducers that'll work in the tightest to the most robust spots within the hydrogen industry
- For use in hydrogen fuel cell, refueling station, power generator and electrolyzers etc
- Built with advanced technology to withstand the permeability of hydrogen across wide range of pressure
- Suitable for hazardous applications



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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