

# BHyT Series:

## Refuel and Cell

### Features

- 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 H<sub>2</sub> and O<sub>2</sub>.
- Protects against the effects of pressure hammering and spikes, our silicon sensors are rated for 7X - 23X for the working pressure.
- Has the ability to measure pressure ranges from Vacuum to 30,000 psi (2000 bar).



Figure 1.1 BHyT Transducer: Refuel and Cell

### Applications

- Hydrogen Fuel Cell
- Electrolyzers
- Hydrogen Refueling Station

### Description

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 monolithic construction in our BHyT Cell hydrogen pressure transducers are designed for fuel cell applications, where space is a premium while offering reliability in high pressure applications. Our BHyT Refuel pressure transducers offer explosion proof certification (North America and Europe) up to 20kpsi with autoclave pressure connection and monolithic technology to ensure safety and performance in critical hydrogen refueling station applications. The BHyT transducers are designed to maintain stability throughout the pressure range reducing downtime, maintenance and calibration costs.

Represented by:



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