

Hydrogen Solutions

Cutting-edge monitoring and control instrumentation meticulously designed to excel in hydrogen-related applications



The Challenge Today

Since 1949, our core values of being market-focused, technology-driven, and customer-intimate have guided our product development and our culture. Today, Barksdale Control Products has grown into a leading solutions provider with facilities in North America, Europe and Asia. Crane Co., our parent company, provides the financial backing to ensure we will support our customers over the long haul. Control Every Move with Barksdale.

Advancing Hydrogen Technology: Our Commitment

As the world transitions towards a cleaner, more sustainable energy landscape, Barksdale is at the vanguard of this hydrogen revolution, to drive progress in pioneering innovative solutions

At Barksdale, precision engineering is fundamental to our operations. Our products are meticulously crafted using state-of-the-art technologies and materials, delivering unparalleled accuracy and durability in even the most demanding environments. Whether monitoring pressure, temperature, or flow, our products help maintain precise control and maximize efficiency within your hydrogen infrastructure.



Solutions for a Diverse Range of Applications

Barksdale portfolio of hydrogen transducers and switches ensures seamless integration and optimal performance across various industries and applications.

- ▶ Hydrogen Fuel Cells
- ▶ Hydrogen Storage and Distribution
- ▶ Hydrogen Compressors
- ▶ Hydrogen Filling Stations
- ▶ Industrial Hydrogen Processes
- ▶ Hydrogen Sensors and Safety Systems



Hydrogen Storage

Hydrogen storage presents unique challenges due to its high pressure and potential for leakage.

Barksdale's hydrogen pressure transducers are specifically designed to withstand these demanding conditions, providing accurate and real-time pressure measurements within storage tanks and systems.

- ▶ Hydrogen Pressure Transducers
- ▶ Intrinsically Safe Hydrogen Pressure Transducers
- ▶ Explosion Proof Hydrogen Pressure Transducers

Refueling Stations

Hydrogen refueling stations rely on maintaining precise pressure levels to facilitate efficient and safe refueling processes. Barksdale's hydrogen pressure transducers provide real-time monitoring of pressure within storage tanks, pipelines, and dispensers, enabling operators to maintain optimal conditions for refueling operations.

- ▶ Intrinsically Safe Hydrogen Pressure Transducers
- ▶ Explosion Proof Hydrogen Pressure Transducers

Fuel Cells

Fuel cells represent the pinnacle of clean energy technology, offering efficient and eco-friendly power generation.

At Barksdale, we recognize the critical role that pressure plays in the optimal functioning of fuel cells. That's why our precision-engineered pressure transducers are essential components in maximizing the performance and reliability of fuel cell systems.

- ▶ Hydrogen Pressure Transducers



BHyT Series: ReFuel



BHyT Series: Fuel Cell

Design with Us

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

Build your Solution!

Save time finding the right solution for your control and monitoring application with Barksdale's robust and easy to use 3D product configurator.

Barksdale's modular product design allows for easy customization to your specifications, reducing costs and offering more options to meet your application needs.

Configure your solution online at barksdale.com/configurator.



Visit [Barksdale.com](https://barksdale.com) to view our complete product portfolio.

Barksdale[®]
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