

# BoT: THE NEXT-GENERATION DIGITAL PRESSURE TRANSDUCER



## Configure Standard Options or Customize With Fully Engineered Solutions to Meet Your Unique Needs

Get the digital pressure transducers that match your exact monitoring and control requirements for gas delivery or mobile hydraulic equipment and vehicle applications right when you need them. That's the value of specifying the new BoT Series Pressure Transducer from Barksdale. Configure it from 55 available standard options. Or, leverage our proven design process to co-engineer bespoke solutions with short lead times.

Original equipment manufacturers (OEMs) and their end-user customers benefit when they select the BoT Transducer by:



- **Increasing** system performance and reliability
- **Minimizing** the costs of manufacturing, commissioning, maintenance and service
- **Reducing** expenditures to modify equipment and systems due to the transducer shortage
- **Meeting** critical timelines with 10-day lead times via domestic manufacturing

## Industries and Applications

### Gas delivery

- Compressors and pumps
- CNG and hydrogen
- Gas metering
- HVAC
- Medical gas systems

### Industrial

- Compressors and pumps
- General equipment
- HVAC
- Pneumatic and hydraulic systems

### Mobile hydraulic equipment

- Aerial work platforms
- Buses
- Construction and mining vehicles
- Irrigation equipment systems
- Off-highway vehicles

### Benefit With Barksdale as Your Partner

- **Meet your contracted production timelines** and avoid critical assembly line shutdowns with domestic manufacturing in Los Angeles, Calif., and quick 10-day lead times on select standard options.
- **Avoid re-engineering costs** for existing equipment and systems by customizing Barksdale's BoT Transducer to meet "form, fit and function" replacement requirements.
- **Reduce the total cost of ownership (TCO)** for your end-user customers by working with Barksdale to eliminate the adapters and cables needed to commission off-the-shelf pressure controls while also reducing maintenance and service expenses.



## Enhanced Accuracy and Reliability With Rugged Construction

Barksdale engineered the BoT Transducer to address the following key needs of OEMs for gas delivery and mobile equipment applications:

- Fully customizable pressure ranges on mechanical or electrical connections
- Rugged, heavy-duty construction in a compact footprint that's 28% smaller than standard analog electronic products
- Long-term reliability proven over 1 million pressure cycles
- High accuracy (0.25%) and low offset error at zero pressure
- Protection against hammering and spikes up to 23 times the working pressure

In addition, we design and manufacture in California to ensure OEMs in North America can meet contracted timelines. Barksdale achieves some of the shortest lead times in the industry through modular design and automated calibration of the BoT Transducer.

## Choose How Barksdale Can Best Help You

Meet your requirements by either configuring standard options available with the BoT Transducer or specifying fully customized solutions only available by working with our industrial instrumentation and control specialists.

### 1. Configure Standard BoT Options to Match Your Requirements.

Off the shelf, the BoT Transducer meets industry standards for accuracy, process connections, pressure ranges and thermal performance in heavy-duty applications and extreme environments.

When you have specific needs that can't be met with our standard options, the modular BoT Transducer design and our advanced software enable Barksdale to easily configure the BoT Transducer to match your requirements for connections, electrical output, materials, pressure and other requirements. Simply specify from among the standard options available.

### 2. Design With Us to Get the Exact Digital Transducer You Need.

When your application calls for special connections, materials, performance or sizes, Barksdale can match your unique requirements. Bespoke solutions can include physical modifications to the BoT Transducer in ways that are not available in our pre-configured standard options.

In addition, you can design with us when engineering design validation and/or new agency approvals may be required.



## Your Source for High-Performance Transducers

Partner with Barksdale to improve the overall system performance of OEM equipment. With more than 30 years of transducer manufacturing experience, our transducer experts are ready to consult with you on your next project. We share our proven engineering process and exceptional manufacturing capability to enable you to:

- Eliminate or reduce leak paths
- Meet industry certifications and regulatory standards (IEC, NEMA, UL, REACH, RoHS)
- Detect and monitor against pressure spikes
- Provide high accuracy with precise measurement resolution
- Transmit custom electric output signals for programmable logic controller (PLC)/micro-controller integration