

Preventative Maintenance in Hazardous Locations

Monitoring Temperature and Pressure with high accuracy Transmitters and Transducers

Overview

Pressure and temperature transducers and transmitters are critical components in monitoring and controlling the temperature and pressure of natural gas pipelines, especially in hazardous locations. These devices help ensure the safe and efficient operation of the pipeline system by providing accurate real-time data that can be used to prevent leaks, ruptures, and other hazardous events. Barksdale's BiT Series Transmitters are designed to be environmentally rugged with a corrosion resistant, all-welded stainless steel design with select standard and optional features to meet the stringent requirements of gas pipelines.



Features

- Lightweight, compact and NACE compliant all-welded rugged stainless steel construction
- High performance pressure and temperature sensors for high accuracy
- High accuracy pressure transducer: $\pm 0.1\%$ and $\pm 0.25\%$ FSO, (L,H,R)
- Superior EMI-EMC protection as per IEC standards & thermally compensated temperature sensors ensure high accuracy over wide temperature ranges to mitigate thermal errors on sensitive components
- cULus, ATEX, IECEx and Single Seal certifications
- Explosion proof enclosure with IP66 & IP67 and NEMA 4X, 7 & 9 ratings
- CE, CRN, and NACE compliant and superior EMI/EMC protection
- Factory sealed, environment friendly, halogen free wires and cable

Barksdale Solution

- Multiple electrical connections with optional wire or cable outputs are available for hazardous and non-hazardous applications for quick replacement in the field
- Corrosion resistant design (NACE compliant) with all-welded stainless steel and select standard and optional features to meet varying natural gas application needs.
- Digital remote calibration and range turndown capabilities reduce maintenance time and greatly reduce the need for spares in remote locations
- Optional HART[®] communication protocol with field calibration and diagnostic capabilities including device status, reducing maintenance time & cost and unplanned shutdowns