

High Pressure Transducer

Model 8221

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| Code: | 8221 E |
| Manufacturer: | burster |
| Delivery: | ex stock |
| Warranty: | 24 months |



CAD data in 3D/2D available on
POWERPARTS by web2CAD
 Info: data sheet 80-CD-ROM-E

- Measuring ranges from 0 ... 1000 bar to 0 ... 5000 bar
- Accuracy < 0.5 %
- Suitable for liquid and gaseous media
- Can be used for dynamic and static measurement
- Made of stainless steel
- Standardized sensitivity to 2.0 mV/V

Application

This transducer for high pressure is designed for universal use. The features of this unit are good accuracy, high reliability, ruggedness and excellent long term stability. It works with a metal-coated strain gage sensor element connected as full bridge and providing a standardized output signal.

The unit is suitable for dynamic and static measurement on liquid and gaseous media. The range of application for this pressure transducer are laboratories, production, industrial processing, automatic operation, marine engineering or aviation industry.

Especially to be mentioned is the proven and mature technology of this sensor resulting in a simple and user-friendly operation.

Description

The unit is built from rugged electronic components and ultrasonic tested material. This helps to avoid mechanical faults and enhances the reliability and versatility of the product in industrial use. The actual sensitive element is produced from one piece of solid steel. This enforces the operating reliability because the media does not touch welding seams. The connection between sensitive element and pressure port is done by electron beam welding to save the good physical property of the stainless steel.

To ensure the versatility of the transmitter without recalibration of the following electronics, the output signal is standardized to 2.0 mV/V. Internal amplifiers for 4 ... 20 mA, 0 ... 5 V or 0 ... 10 V are available. The output is protected against polarity reversal and short circuits.

For a simple calibration or to test the following electronics, the high pressure transducer is fitted with an internal shunt resistor.

