



## PRESSURE TRANSDUCER

K6 Pressure Transducers use piezoresistive technology to accurately measure. This is based off a small circuit called a Wheatstone bridge attached to the back of a diaphragm. As the diaphragm flexes from pressure, the resistance in the Wheatstone bridge changes relative to pressure, providing a basis of measurement.

Once the measurement is taken, the transmitter conditions the signal and sends it off to your decoding system.



We can calibrate, service or replace the electronics in house to reduce your costs in replacing the entire transducer when it gets damaged or the life cycle is up.

### Features and Benefits

- Certified Pressure ranges up to 10,000 psi (Special order up to 30,000psi)
- Accuracy ( +/- .25%)
- Frequency response (Less than 5mS)
- Output: 4-20mA
- Protection (Reverse polarity, Surge)
- Electrically isolated
- Intrinsically Safe: Class 1 Div 1, Groups C&D, Class 1 Div 2, Groups C&D (More upon request)
- Temp Operating range: -40 to 180 F
- Laser welded body, no seals between fluid and internal electronics
- Built for Harsh environments, high vibration, high pressure spikes and even extended temperature ranges

### Available Configurations

- 2" Pipe thread to screw directly into the stand pipe or pressure source
- Mushroom style that mates with a hammer union

We would be happy to design other configurations for your application.