

PRESSURE TRANSDUCER DATA SHEET

The Pressure Transducer has a rugged design and is accurate over a wide range of temperatures. It can be easily attached to the gas gun connector or to a special connector that can be made to customer's specifications. The pressure transducers are available in ranges of 375, 900, 1500, 3000 and 6000 psi. Pressure transducers with pressure ratings higher than 6000 psi are available by special order. The 1500 psi range is normally supplied with the Well Analyzer unless the customer requests a different range.

Features

- Built-in thermistor that measures transducer temperature.
- All pressure measurements temperature compensated.
- Fitting is o-ring sealed so that hand-tightening is sufficient to prevent leakage.
- Waterproof pressure transient cable and pressure transducer connectors.
- For use with which Echometer Well Analyzer.

Specifications

- 1" O.D. x 5"
- Rated at 1.500 PSI
- Available in ranges of 375, 1500, and 6000 PSI. (Higher than 6000 PSI available by special order)

Additional Product Information

The pressure transducer utilizes thin film sensor stainless steel diaphragm technology. This common type of transducer is rugged and offers good accuracy over a wide range of temperatures when temperature compensated.



The pressure transducer also houses a thermistor that measures transducer temperature. All pressure measurements are temperature compensated. The pressure transducer is calibrated over a range of -40°F to 140°F. The temperature corrections are automatically applied by software.

The pressure transducer is a rugged device. The dimensions are 1" O.D. x 5" in length. It can be easily attached to the gas gun special connector or to a special connector that can be made to customer's specifications. The fitting is o-ring sealed so that hand-tight is sufficient to prevent leakage. The pressure transient cable and pressure transducer connectors are waterproof.

The pressure transducer is originally calibrated over a wide temperature range and these coefficients are permanently placed onto the pressure transducer label and used in software calculations. The pressure transducer can be easily re-zeroed at the beginning of each test.

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The pressure transducer and associated electronics have stability for measurement of better than 0.1-PSI resolution with a pressure transducer having a rating of 1,500 PSI. Even better resolution is available with a variety of lower range transducers. Accurate resolution of the pressure transducer is necessary in the measurement of the casing pressure build-up rate. A casing pressure build-up rate of a few 10ths of a PSI over a period of a few minutes is mandatory for proper analysis of the casing annulus gas flow rate and gradient of the gaseous liquid column.

The pressure transducers are available in ranges of 375, 900, 1500, 3000 and 6000 PSI. Pressure transducers with pressure ratings higher than 6000 PSI are available by special order. The 1500 PSI range is normally supplied with the Well Analyzer unless the customer requests a different range.

Senior Tech (now Hamdon Energy Solutions) is an authorized Echometer distributor in Canada and internationally, providing equipment sales, rentals, training and service. Echometer's Well Analyzer equipment is used to determine well productivity, reservoir pressure, overall efficiency, equipment loading and well performance, which are calculated based on a combination of measurements of surface pressure, acoustic liquid level, dynamometer, power and pressure transient response.

Wellsite Optimization Services

Senior Tech (now Hamdon Energy Solutions) provides oil and gas well optimization services that both enhance and sustain well efficiency and production. With effective optimization solutions and a mobile service fleet, SeniorTech (now Hamdon Energy Solutions) offers professional expertise and a diverse selection of optimization equipment across Canada and internationally.

Service areas include:

- Production Optimization
- Regulatory Compliance
- Training
- Equipment Repair and Maintenance



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