Kevin's Precision Field Measurement

Wireless Precision Field Gauges

This series of gauges is designed for use on today's modern heavy equipment machinery. They are tough, water resistant, and easy to use. What makes these gauges better than conventional digital gauges is that they are wireless and can display pressure differential as well as individual pressures.

The wireless function is accomplished with the use of a 915MHz RF module, which is powerful enough to be hundreds of meters away even when the transmitter is locked in the pump compartment. To ensure accuracy and stability these readings are taken seven times, averaged, and sent to the display every half second.

1. Receiver/Display Unit
2. Transmitter Unit
3. Pressure Transducers
4. Extension Cables

Feature Overview

- The display unit is equipped with a large easy to read colour back-lit LCD screen.

- All units come standard with two 7250 psi sensors, but can be ordered to handle four sensors, either two at a time or all at once.

- Receiver units are operated with an easy to use 4-button control system.

- Both units are powered by replacable batteries for convenience in a field application.

- Units come standard with two 6 ft extension cables for measuring points that are further apart.

- All units are tuned to their other half to prevent interference with other units working in the area.

Safety Features

- For security have your custom company logo and information displayed on the start up screen at no extra charge.

- With the use of a wireless system there are no high pressure lines stretched out around the machine, or in

- Micro-controllers: Atmel ATMega328P Max.
- Operating Freq. (MHz): 20 MHz
- 16 bit, 4 channel analog to digital convertor
- RF module: Hope RFM69HW
- RF output: 100 mW power output at 900mHz
- Sample rate: 42ms
- LCD colour display: 320x240 resolution
- Transducers: 0 - 7250 psi + - .25%
- Battery life: about 13 Hrs at 20℃
- Size: Receiver 210x100x32mm
- Transmitter 147x89x24mm
- Weight: Receiver 285g Transmitter 210g

Contact Kevin Chambers for Pricing and Availability
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