Wireless Transmitter Specifications

for use with Smart Accelerometers and Strain Transducers and PDA model 8G   January 2016

- Two channels of data acquisition
- Transmits data from any of these sensor combinations:
  - two strain transducers,
  - one strain transducer and one piezoresistive (PR) accelerometer
  - one strain transducer and one piezoelectric (PE) accelerometer
  - two PR accelerometers
  - one PR accelerometer and one PE accelerometer
- 2 channel signal conditioning can be used for strain transducer, PR accelerometer, or PE accelerometer connected to either channel.
- 24 bit A/D converter with 2 channels at up to 20KHz sample rate per channel
- 1K, 2K, and 4K data record sizes available – user selectable
- Data transmission: via a standard radio protocol
- Radio transmission range : 100m (328 feet)
- Radio output frequency range: 2.412 GHz to 2.497 GHz
- Output power: 14 dBm
- Ultra Low Power IEEE 801.11b/g/n compliant.
- Low power processor and built-in 3.7 V battery for up to 8.5 hours run time during constant data acquisition.
- Size : 175 x 90 x 20.7 mm (6.9 x 3.5 x 0.8 in)
- Weight : 0.63 Kg (1.4 lb)
- Temperature range: Operating range : 0 to 40˚ C; Storage range: -20 to 65˚C