Wireless Transmitter Specifications

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

Two channels of data acquisition
Transmits data from any of these sensor combinations:
  o two strain transducers,
  o one strain transducer and one piezoresistive (PR) accelerometer
  o one strain transducer and one piezoelectric (PE) accelerometer
  o two PR accelerometers
  o 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