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Dwyer Instruments Inc.  
ZAGUHH0032011  
FCC EUT Description

Device is a multifunctional hand held data collection instrument. Its functionality is determined by the interchangeable sensing probes that are physically or wirelessly connected to the device. The targeted market is commercial/industrial for the purpose of collecting data such as humidity, temperature, air speed, and pressure. Device is powered via an internal rechargeable battery or an external line voltage adapter. Data is gathered by the sensor probes and then stored and displayed by the device. Together with a sensor probe they comprise a single data measurement instrument.

The wireless communication protocol is Zigbee operating at 2.4GHz on the IEEE 802.15.4 physical radio specification. The transmission technology is Direct Sequence Spread Spectrum (DSSS) with 250 kbps Offset-Quadrature Phase Shift Keying (O-QPSK), which is used to build a mesh network incorporating the device and its associated wireless sensor probes. The antenna is a soldered electronic component surface mounted to the printed circuit board internal to the device. It cannot be removed without desoldering tools. No other antennas are required for the device to operate.

Sincerely,

A handwritten signature in blue ink, appearing to read "Rodney Corder".

Rodney Corder, NPDP  
Engineering Manager  
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