



Wireless Data Transmitter

User Instructions

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Introduction

The Net-Inspect wireless data transmitter is designed to transmit data from various digital inspection instruments to the Net-Inspect Quality System. The transmitter may be used with many different digital inspection devices that have data output capability. Check with Net-Inspect for compatibility and pricing.

Setup

Install the battery: There is a small plastic cover on the back of the transmitter that must be slide back to expose the battery compartment. Install a size CR2032 Lithium Coin Cell battery, being careful to observe that correct polarity is maintained. The positive (+) side of the battery goes UP. Slide the plastic cover back into place. To assure the best performance, replace the battery every three months.

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Connect the measurement device: The wireless data transmitter must be connected to a digital inspection device to operate. There is a short cable on the device with a custom connector on the end. Plug this connector into the inspection device.

Register the wireless transmitter with the wireless receiver: In order to operate, each transmitter must be registered with the intended receiver. The transmitter must be registered with only one receiver. To register the transmitter with the receiver, hold the transmitter within two feet of the receiver. Push the "ADD" New Transmitter button on the receiver. The blue status LED (light emitting diode) will light on the face of the receiver. Within 10 seconds, push the send button on the transmitter. The blue status LED on the receiver will flash 3 times to indicate that the transmitter has been correctly registered with that receiver. With each of the 3 flashes, you will also hear a beep from the receiver.

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Register multiple transmitters to one receiver: From 1 to 100 transmitters may be registered with a single receiver. Simply repeat the above steps for each transmitter that you wish to register with the same receiver. Important: Remember to register each transmitter with only one receiver. Otherwise, when the send button is pressed on the transmitter, data will be sent an incorrect receiver as well as the correct receiver.

Delete the registration of an individual transmitter to a particular receiver: Open the small plastic door on the back of the transmitter (not the battery door), there you will see a small

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push button switch, press and hold the button with the tip of a pen, then press the send button on the transmitter. You must be within 2 feet of the receiver. You will hear a long beep (3 seconds) from the receiver indicating that the transmitter has been removed from the receiver's registration list. In addition to the 3 second beep, the Status led will light for the 3 second period. That receiver will not process future transmissions from that transmitter.

Delete the registration of all transmitters on a particular receiver: Press and hold the "Delete All Transmitters" button on the receiver for 5 seconds. After you have held the button down for 5 seconds, you will hear a 5 second beep and the Status LED will flash for 5 seconds.

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Operation

Configure the measurement device: The measurement device may require configuration to allow output of data through the data port on the device. Please refer to the operations manual for the measurement device to obtain correct settings.

Connect the wireless receiver to the computer: Before wireless data transmission can occur, the wireless receiver must be working properly with the computer that is running Net-Inspect. See wireless receiver user instructions for setup procedure.

Test the data transmission from the measurement device into Net-Inspect: Check to be sure that data is traveling from the measurement device through to the computer running Net-Inspect software. First, take a measurement with the measurement device. When the measurement device displays the

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measurement, press the send button on the Net-Inspect transmitter. The Status LED on the receiver will flash for 1 second and a short beep will sound to show that the data has been received by the receiver and sent through the serial cable to the computer running Net-Inspect. The data should appear in the Net-Inspect data entry box on the computer monitor.

If the data does not appear on the Net-Inspect gauge input screen, then check the serial connection and configuration. The setting should be 9600, 8, N, 1 with NO Flow Control. Also assure that the serial cable used is a straight through cable without any gender changers or null-modems in the line.

If the battery power in the transmitter is too low for proper operation: When the battery power is too low, the transmitter will not transmit. If you press the send button and know that the transmitter is registered with the receiver, then replace the battery and retest. If it still does not work properly, then re-register the

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transmitter with the receiver. There is no harm in re-registering several times if you feel it was not done already. Test again. If the data does still not appear in the Net-Inspect software, call Net-Inspect for technical support.

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Specification

Battery Type: CR2032 Lithium Coin Cell (3V)
 Insert (+) positive side up.
 Transmission Frequency: 916.48 MHz
 Transmission Distance: 10 to 70 Feet (Approx.)
 FCC ID: Q2B-WC100X
 Operating Temperature: 0 to +70 C
 Weight: Approximately 4 ounces including battery

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Net-Inspect Wireless Products Warranty

Warranty

Net-Inspect warrants all wireless products against defective material and workmanship for one year from date of shipment. In the event of a claim, the owner must return the product to Net-Inspect for inspection. Upon inspection, Net-Inspect shall have the option to repair or replace the defective product and such repair or replacement, free of charge, shall be the Customer's sole and exclusive remedy. Net-Inspect furnishes this limited warranty in lieu of all other warranties, express or implied, including warranties of merchantability and fitness for a particular purpose. Any and all warranties shall be void as to products damaged or rendered

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Instruction To The User

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

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unserviceable while in the custody of the customer or third parties. This includes but is not limited to negligence, misuse, modification, repair or alteration of the product.

Liability

Net-Inspect shall not be liable for any damages, incidental, consequential, or otherwise, or commercial loss from any causes, nor for personal injury or property damage. Net-Inspect liability is limited to the repair or replacement of defective material or workmanship of the product.

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Increase the separation between the equipment and receiver.
 Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 Consult the dealer or an experienced radio/TV technician for help.
 This equipment has been certified to comply with the limits for a class B computing device, pursuant to FCC Rules. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

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