DOSIMETRY

Rad Tag

TWR "Live" Source to Dosimeter Interface

FEATURES

- Wireless pairing of Rad Tag to any SIM-Teq™ dosimeter

- Automatic detection of TWR "Live" Source

- Continual input of dose rate measurements to training dosimeter and SCC

- 100' range of detection

- Small and easy to wear

- LED battery charge indication

DESCRIPTION

The Rad Tag wirelessly links a Training Device to auto respond to one or more TWR Sources. Designed to minimize instructor input and provide realistic, automated response using the $1/R^2$ principle for gamma radiation. The Rad Tag has a small form factor and internal rechargeable battery that allows easy deployment.

MECHANICAL CHARACTERISTICS

- PMMA Plastic Case: approximately 4" x 0.75" x 2.5"
- Single On/OFF Pushbutton
- Integrated clip for wearing on belt or clothing

ENVIRONMENTAL CHARACTERISTICS

- Drop resistant, IEC 61526

OPERATING CHARACTERISTICS

- Wireless Communication: IEEE 802.15.4, 2.4 GHz
- Battery Life:
  - At least 8 hours
  - LED power "ON" indication
  - LED battery status indication
- Range: 100 ft. line of sight. Depending upon material composition, obstructions may reduce operational distance. (For both manual and auto dose rate input)

ELECTRICAL CHARACTERISTICS

- Power Requirements: 3.7V rechargeable lithium, mini-USB recharging port

RUN SEAMLESS TRAINING EXERCISES

- Two Way Ranging (TWR) simulation technology continually measures distance from Rad Tag to source and calculates dose rate using $1/R^2$ principle
- No instructor control required after dosimeter pairing
- Dosimeter readings and battery status displayed automatically on the Simulation Control Center (SCC)
- Instructor can swap between auto-response of dosimeter to TWR sources and manual control using the SCC
- Exercises can have one or more Rad Tag / dosimeter pairings

SIM-TEQ™ FEATURES

- Easy to setup.
- SCC application operates on any Windows 10 tablet with a USB Dongle and up to 32 simulator training devices
- Wireless direct control of instruments through SCC or automatic response of instruments to TWR "live" sources.
- Multiple models supported. Future training devices seamlessly added.
- Free SCC software updates provided via Microsoft Windows Store.

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