



Rad Tag

TWR “Live” Source to Dosimeter Interface

Rad Tag 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

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

Specifications:

Model	Rad Tag
Physical	<ul style="list-style-type: none"> • PMMA Plastic Case: 4in x 2.5in x 0.75in (108mm x 65mm x 18mm) • Single On/Off Pushbutton • Integrated metal clip for wearing on belt or clothing
Color	Black
Power Requirements	<ul style="list-style-type: none"> • 3.7V rechargeable lithium battery with micro-USB recharging port, <ul style="list-style-type: none"> ▪ AC/DC wall adapter, 120VAC/5VDC (included) ▪ Micro-USB charge cord (included)
Battery Life	<ul style="list-style-type: none"> ▪ At least 8 hours at 68°F (+20°C) • LED power “ON” indication • LED battery status indication
Environmental	Drop resistant, IEC 61526
Wireless Communication	IEEE 802.15.4, 2.4 GHz, 0.44 mW UWB (ultra-wide band) 6.4 GHz (6.2-6.7 GHz), <0.001 mW
EMI	<ul style="list-style-type: none"> ▪ FCC Part 15 Subpart B, Class A; verified ▪ Industry Canada RSS -220 Issue 1; verified ▪ EU; CE
Features	<ul style="list-style-type: none"> • Can be wirelessly paired to any SIM-Teq training dosimeter, • Operates independently with any SIM-Teq TWR source (omni-directional). Automatic input of dose rate measurement to paired dosimeter, • Automatic detection of TWR Sources • NO calibration required
Range of Operation	100 ft. line of sight. Depending upon material composition, obstructions may reduce operational distance. (For both manual and auto dose rate input)
Control Options	<ul style="list-style-type: none"> • Automatically responds to any SIM-Teq TWR source (omni-directional) • Manual control via Simulation Control Center (SCC) application available from Windows Store, runs on Windows 10™ tablet with SIM-Teq USB Dongle. Features include; <ul style="list-style-type: none"> ▪ Continuous display of current measurement from training meter ▪ Swap between manual control and auto-response to simulated source

The SIM-Teq® System is a wireless training network of simulated dosimeters, survey meters, and TWR Sources managed and controlled by the Simulation Control Center (SCC) application.

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.