



SIM-TEQ™ SIMULATION TECHNOLOGIES

ICTD 9-4

Ion Chamber Training Device



FEATURES

- Simulates all features and functions of the Model 9-4 Ion Chamber
- Built with real Model 9-4 hardware
- Provides all instrument controls and beta window
- Responds realistically to changes in doserate
- Supports all fault conditions
- Designed for manual or automatic dose rate input

TRAIN WORKERS TO

- Respond to dose rates based on distance to one or more TWR “Live” Sources
- Understand $1/R^2$ principle
- Operate all device controls
- Adjust mR/h rate scales
- Observe open and closed window response
- Recognize device faults and failures



Physical Dimensions	Same as Model 9-4 Ion Chamber Survey Meter
Power Requirements	(2) "D" cell alkaline batteries
Battery Life	Up to 8 hours
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 approved
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"> - Manual control of dose rate input - Configurable Open/Close Beta Window measurement offset - 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, TWR Sources, Contamination Probes, and Contamination Sources managed and controlled by the Simulation Control Center (SCC) application.

SIM-Teq™ Features:

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