RDS-31 TD

Multi purpose Survey Meter
Traning Device

Nuclear Power | Healthcare | Homeland Security & Defense | Labs and Education | Industrial and Manufacturing

OVERVIEW

The RDS-31TD is a fully functioning simulator of the RDS-31 survey meter.

Designed to be an effective and realistic training device, it replicates all survey meter functions, alarms, and fault displays.

All around the RDS-31 is an invaluable tool in keeping personnel operationally trained on how to use.

Train your teams to operate survey meter controls and functions, observe any dose rate, recognize and, identify fault and alarm conditions.

KEY FEATURES

- Simulates most features and functions of the RDS-31 multi-purpose gamma survey meter
- Provides all alarms and faults
- Built with real RDS-31 hardware
- Realistic response to changes in dose rate
- All controls and alarm conditions are functional
- WRM2 Telemetry built-in
- Works with manual or automatic dose rate input

Health Physics Division

CHARACTERISTICS

- **Physical Dimensions**
- 100 x 67 x 33 mm (3.93 x 2.63 x 1.29 in)

- **Power Requirements**
- Power - Two Standard AA (LR6) 1.5V Alkaline Batteries

- **Battery Life**
  - ~8 Hours

- **Environmental**
- Enclosure class IP67 (IEC 60529), water-resistant including battery compartment

- **Wireless Communication**
- - IEEE 802.15.4, IEEE 802.15.4-2011, WRM2 900 MHz

ADDITIONAL FEATURES

- Operates independently with any SIM-Teq TWR Source, OR manually controlled by instructor via SCC.
- Response performance characterized from real instrument
- Rotate Display
- Bar Graph
- **Audible, Visual, and Tactile Alarms**
  - Alarms
  - Dose alarm
  - Dose rate alarm
  - Remaining Time to Alarm
  - Dose Saturation
  - Dose Rate Saturation
  - Chirp Rate

- Faults
  - Firmware
  - Internal power supply
  - Detector
  - Memory
  - High Voltage
  - Cumulative Dose
  - Calibration
  - Low battery Warning (simulated)
  - Low battery Alarm (simulated)
  - Low battery (actual)

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.

FEATURES:

- *Easy to setup.*
- *SCC application operates on any Windows 10® tablet with a USB Dongle and up to 32 simulator training devices.*
- *Training instructor remotely views and controls simulated gamma radiation levels, alarms, and fault conditions as observed by a trainee operating the connected device.*
- *Multiple models supported. Future training devices seamlessly added.*
- *SCC updated via Microsoft Windows Store.*

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