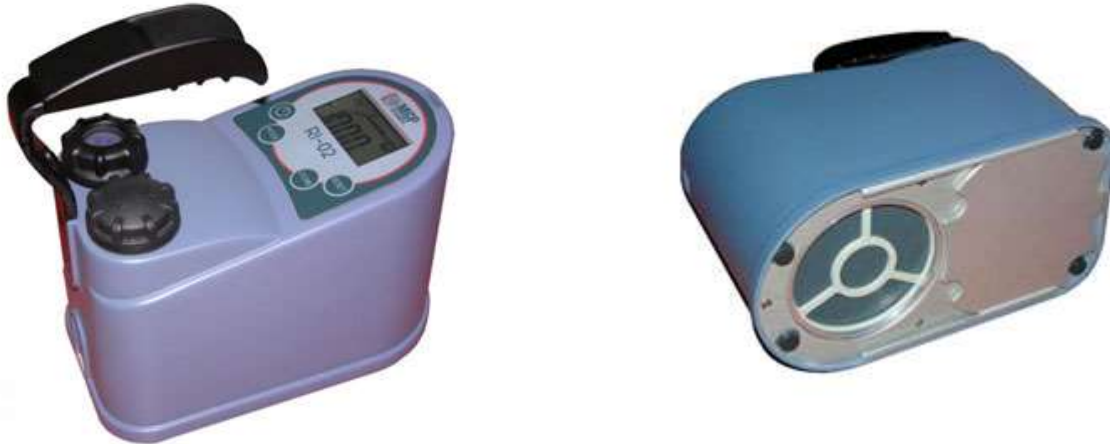


RAD ION RI-02 Radiation Detection Survey Meter



The RAD-ION is the next generation ion chamber survey meter. This smart meter features accurate rate & dose measurement and programmable modes for alerting the user to posting and transportation survey requirements. The RAD-ION is a world class solution for use in nuclear power plants, nuclear medicine, radiography, life science, research and other industrial applications.

Designed for highly stable and accurate measurement of dose rates and integrated dose of gamma, x-ray and beta radiation.

Covers a measuring range of $1\mu\text{Sv/h}$ to 1 Sv/h (0.1 mR/h to 100 R/h) in the dose rate mode to 10Sv (1000 R) in the integrated dose mode.

Features:

- Compliant to ANSI 42.17A-2003
- Beta Slide Window – icon identification differentiating between Beta & Beta Gamma readings
- Beta correction factor
- Freeze Mode
- Calibration Mode
- Integrated Dose Mode
- Compact, lightweight and rugged construction
- Integrated WRM2 wireless module (optional)
- Custom LCD display with LED backlight – 4 “Touch Pad” buttons
- Auto Ranging Digilog display
- Automatic offset “zeroing” function
- Long battery life: 100 hours
- USB connectivity for online data transmission
- Data Storage
- Easy replacement of batteries
- Easy replacement of silica gel container

NDT Supply.com, Inc.

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Lenexa, KS 66214-1560 USA



RAD ION RI-02 Radiation Detection Survey Meter

Applications:

- Nuclear Power Plants surveying instrument
- Posting Tool for NPP's
- X-Ray machines safety instrument
- NDT surveying instrument for safety

Specifications:

Application:	Gamma and X-Ray exposure survey meter with beta response
Range:	Display: 0.00 μ Sv/h to Sv/h (0.00 mR/h to 100 R/h) Measuring: 1 μ Sv/h to 1 Sv/h (0.1 mR/h to 100 R/h) Dose (D&M): Up to 10 Sv (1000 R)
Energy Response:	From 20 keV to 2 MeV
Linearity:	Reading within 10% of true value (137Cs)
Response Time:	2 seconds in fast transition until 30 seconds for gradual transition
Chamber Volume:	350 cm ²
Side Wall:	Plastic – 300 mg/cm ²
Beta Shield:	Retractable 1000 mg/cm ² aluminum slide
Window:	7 mg/cm ² mylar / cloth material
Window Area:	50 cm ² (7.8 in ²)
Temperature Range:	23°F to 122°F (-10°C to 50°C)
Display:	Multi-segments liquid Crystal display with LED backlight
Pushbuttons:	4 pushbutton, simple operation
Power:	2 each "C" cell batteries housed in a sealed externally accessible compartment
Battery Life:	>200 hours
Data Connection:	USB for calibration, configuration, upgrade, firmware and stored data points
Dimensions:	8.25" x 4.5" x 6" (21 x 11.5 x 15.2 cm) (LxWxH) (without handle)
Weight:	3 lbs. (1.4 kg) (with batteries)
Construction Material:	Hi Impact Plastic
Optional Internal 900 MHz ir 2.4 GHz WRM2 Radio	

Software:

- Calibration (via USB or WRM2)
- Configuration (via USB or WRM2)
- Firmware update (via USB)
- Download meter reading (via USB or WRM2)