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Radiological Response Kits

AT Rad Kit 2

SE Monitor 4 or 4 EC - Survey Meter & MGP Electronic Dosimeter
Model 2000 S, X or XB

**Operational dosimetry for personnel
working with ionizing radiations sources,
Including:**

- Hazmat teams – First Responders
- Home use detection
- Commercial Nuclear Stations
- Medical & Research labs
- Fuel Processing plants
- Military applications

SE Monitor 4 or 4 EC- Survey Meter

Detects: Alpha, Beta, Gamma & X-ray

- Small handheld microprocessor based
- Analog readout
- Halogen-quenched uncompensated GM tube with thin mica window.
- Effective diameter of window is 45 mm (1.75 in)
- Uses 1 - 9-volt alkaline battery
- (more specifications on back)

MGP Model 2000 Electronic Dosimeter DMC Model S

X-Ray and Gamma: 60 keV to 6 MeV

DMC Model X

X-ray & Gamma : 20 KeV to 6 MeV

DMC Model XB

**X-ray, Gamma and Beta: 20 KeV to 6
MEV**

(more specifications on back)



Dosimeter shown
with holder attached
to belt which allows
viewing of readouts.



SE 4 & MGP Rad Kit

- 1 – SE Monitor 4 or 4 EC - Survey Meter & carrying case
- 1 – MGP Electronic Dosimeter & holder for carrying on belt or lanyard
- Extra Batteries
- Vinyl gloves & specimen bags
- Pelican carrying case
- Manuals

These kits can be custom configured to include more than 1 electronic dosimeter or type, or a different survey meter and other accessories.

“Whatever you need . . .”

Kit Specifications

- Pelican Case (Black, Yellow, Silver or Orange)
- Dimensions: 13” x 10” x 4.5 “
- Weight: 6 lbs. (includes everything in picture)
- Waterproof & Rugged

We accept Visa, MasterCard and American Express

Electronic Dosimeter Physical characteristics

- Conforms with IEC 1283, ANSI 42 20A
- **Display units:** uSv,mrem or cGy
- **Measurement Range:**
- **Dose:** 1uSv to 10Sv (.1 mrem to 1000 rem)
- **Rate:** .1 uSv/h to 10Sv/h (.01 mrem/h to 1000 rem/h)
- **Display:** .01 mSv/h to 1 Sv/h; 1 mrem/h to 1000 rem/h)
- **Linearity**
- <+- 10% up to 1 Sv/h (100 rem/h)
- <+- 25% up to 10 Sv/h (1000 mrem/h)
- **Energy Response**
- Detects from 60 keV to 6 MeV
- **Accuracy**
- < +- 5% (Cs 137, .2 mSv/h; 20 mrem/h)

Electrical Characteristics

- LiMnO₂, CR2450 battery, one year battery life

Environmental Characteristics

- **Temp:** -10C to +50C (14F to 122F)
- **Humidity:** <90% at 42C (108F)
- **Storage:** -30C to +71C (-22F to 160F)
- **Shock:** vibrations and drop resistant
- **EMF:** conforms with and exceeds CE standards
- Water proof

Customization

- Setup can be accessed by authorized users with Dosimass software (LDM 101)

Options, accessories

- AM/WRM Interface
- CTM 2000: Compact transmitter
- PEA-100 (Pocket External Alarm)



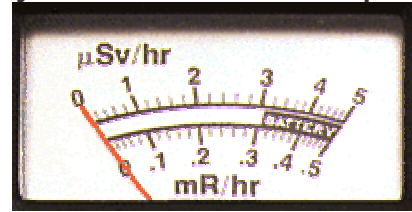
We can supply a complete line of products which can be used with the family of DMC 2000 electronic dosimeters to create an integrated dosimetry system.

Monitor 4 & 4 EC - Survey Meter Physical characteristics

4 EC means Energy Compensated

Monitor 4EC Energy Sensitivity Same as Monitor 4 except:

The energy response for gamma and x-rays through the detector sidewall is flat within +61% or -26% over the range of 40 keV to 100 keV, and within +35% or -17% over the range of 100 keV to 1.3 MeV (referenced to Cs-137)



Optional SI meter scale:
0-500 μ Sv/hr and
0-50 mR/hr.

Specifications

Accuracy: \pm 10% of full scale (referenced to Cs-137).

Audio Indicator: Internally mounted beeper. (can be switched off for silent operation)

Range Switch: X1, X10, X100, Battery Check.

Operating Range: 0-.5, 0-5, 0-50 mR/hr and 0-500, 0-5,000, 0-50,000 CPM

Anti-Saturation: Meter will hold at full scale in fields as high as 100 times the maximum reading.

Power Requirements: One 9 volt alkaline battery. Battery life is up to 2,000 hours at normal background radiation levels.

Temperature Range: -20° C to 55° C (-4° F to 131° F).

Weight of the Monitor 4: 178 grams (6.3 oz.) without battery

Weight of the Monitor 4EC: 198.1 grams (7 oz.) without battery

Size: 145 x 72 x 38 mm (5.7 x 2.8 x 1.5 in.).

Includes: Carrying Case, 1 year limited warranty, and CE mark

Options: Belt Clip

Carrying Case:

Carrying case included with models M4, M4EC, M5, MC1K, Inspector, Digilert 50 and Geiger.

Carrying cases are equipped with belt clip or belt loop (Inspector, Digilert 50 and Geiger)



Build your own Monitor 4!

Learn about how a geiger counter works.

Monitor 4 kit includes: All parts required to build a Monitor 4, Assembly and Illustration booklets

Contact Arrow-Tech, Inc. for more information on our radiation products
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