

Monitor 4 & 4EC

aβyX 

Same Monitor 4. New ergonomic design. The M4 and M4EC are compact, general purpose survey meters capable of detecting alpha, beta, gamma, and x-rays over 3 selectable ranges. A red count light flashes and a beep sounds with each event detected. The Monitor 4EC offers a more linear reading for gamma and x-rays (above 40 keV).

Detector

Monitor 4: Halogen-quenched uncompensated GM tube with thin mica window 1.5-2.0 mg/cm² thick.

Monitor 4EC: Halogen-quenched GM tube, energy compensated sidewall 2mm tin filter. Thin mica window 1.5-2.0 mg/cm² thick.

Display

Analog Meter holds full scale in fields as high as 100X max reading.

Operating Range

0-50 mR/hr and 0-500, 0-5,000, 0-50,000 CPM or 0-500 μSv/hr

Monitor 4 Energy Sensitivity

M4: Detects alpha down to 2.5 MeV; typical detection efficiency at 3.6 MeV > 80%. Detects beta at 50 keV with 35% efficiency. Detects beta at 150 keV with 75% efficiency. Detects gamma and x-rays down to 10 keV through the window, 40 keV minimum through the sidewall. Normal background is approximately 10-20 CPM.

M4EC: 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.

Gamma Sensitivity

1000 CPM/mR/hr
(referenced to Cs-137)

Range Switch

X1, X10, X100, Battery Check.

Accuracy

±15% of full scale (referenced to Cs-137)

Audio

Internally mounted beeper (can be turned off for silent operation).

Power Requirements

9-volt alkaline battery up to 2,000 hrs at normal background

Temperature Range

-20° C to 55° C (-4° F to 131° F).

Weight

M4: 223.9 grams (7.2 oz) without battery

M4EC: 245.7 grams (7.9 oz) without battery

Size

210 x 70 x 48 mm

(8.25 x 2.75 x 1.875 in.)

Accessories

Carrying Case, Observer Software, USB Option, SI Meter Option

Warranty

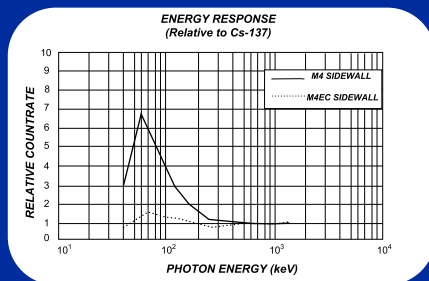
1 year limited warranty



Headphone Jack & Pulse output. USB Option also available



Monitor 4 end window for GM tube.



RADIATION[®]
A•L•E•R•T
QUALITY HANDHELD DETECTORS



PACIFIC-TEC SCIENTIFIC PTE LTD

33 Ubi Avenue 3, #06-48 Vertex, SINGAPORE 408868
Tel: (65) 6342 1530 Fax: (65) 6342 1531
Email: sales@pacific-tec.sg Website: www.pacific-tec.sg