

Beeper mR Radiation Monitor

Model 05-106

- Continuously monitors radiation exposure and provides instant, accurate readings
- Measures “x” and gamma radiation
- Display can be easily read with the instrument in-pocket
- Sturdy casing with pocket clip protects against damage
- Features visible and audible “battery low” indicators
- Good energy and polar response...reliable readings match those from TLDs and film badges
- Recessed switch ensures the Beeper mR cannot be turned off accidentally

Introduction

The slim, compact Beeper mR is the ideal personal monitoring device for alerting personnel to the presence of radiation in medical, industrial or research settings. It accurately measures and displays the radiation dose received.

Applications

The only control is a switch to turnoff and reset the instrument, making Beeper mR extremely easy to use. For added safety, the switch is recessed. An easy-to-read LCD display provides a continuous indication of accumulated dose. The loud “bleep” sounds every 15 to 30 minutes on background and becomes more frequent as dose rate increases, becoming a continuous sound in high radiation fields. A series of quiet “clicks” indicates it is properly functioning. Beeper mR is an enhanced version of the highly popular Beeper III and utilizes the same proven technology.



Specifications

Bleep rates for background radiation

Approx. 1 bleep every 15 to 30 minutes.

1 mR/h: approx. 1 bleep every 20 seconds.

100 mR/h and above: continuous signal to at least 60 Sv/h (6000 R/h)

Energy range 45 keV to 6 MeV ($\pm 25\%$)

Doserate response Linear to 5 R/h ($\pm 20\%$)

Display LCD 0.1 mR to 999,999.9 mR

Battery Three alkaline batteries, size AAA. Typical battery life is 1 year

Temp. range - 4° to + 122°F (- 20° to + 50°C)

Dimensions 1.4 (w) x 6 in (d) (3.56 x 15.24 cm)

Display area 0.6 x 0.9 in (1.52 x 2.29 cm)

Weight 0.25 lb (0.11 kg)

Available model(s)

05-106 Beeper mR Radiation Monitor

05-106-2200 Beeper μ Sv Radiation Monitor



Beeper III Personal Radiation Monitor

Models 05-104

- Provides a continuous indication of gamma or x-ray dose rate
- Pocket-size... lightweight

Here is a simple, convenient instrument for alerting personnel to the presence of ionizing radiation. It provides a clear, audible indication of gamma and x-ray dose rates. No controls or adjustments are required.

The instrument operates continuously, giving a bleep every 15 minutes for normal background radiation, increasing with the dose rate to a continuous tone when high radiation doses are present. This compact unit slips easily into the pocket, where it is firmly held by a clip.

Specifications

Sensitivity to background radiation Approx.

1 bleep per 15 minutes. 1 mR/hr: approx.

1 bleep per 20 seconds. 100 mR/hr and up: continuous signal (to at least 6000 R/hr)

Energy range 30 keV to 10 MeV

Temperature range - 4° to 122°F (- 20° to + 50°C)

Batteries Two alkaline AAA. Battery life approx. 1 year

Construction Plastic case with clip

Dimensions 1 (w) x 5.5 (d) x 0.63 in (t) (2.54 x 13.97 x 1.60 cm)

Weight 0.17 lb (0.08 kg)

Available model(s)

05-104 Beeper III Personal Radiation Monitor

For more information, receive our full product catalog, or order online, contact **Radiation Management Services** business of **Fluke Biomedical**: 440.248.9300 or www.flukebiomedical.com/rms.

Specifications are subject to change without notice.

©2005 Fluke Biomedical. All rights reserved. Printed in USA.
05-106-ds rev 2 04 mar 05