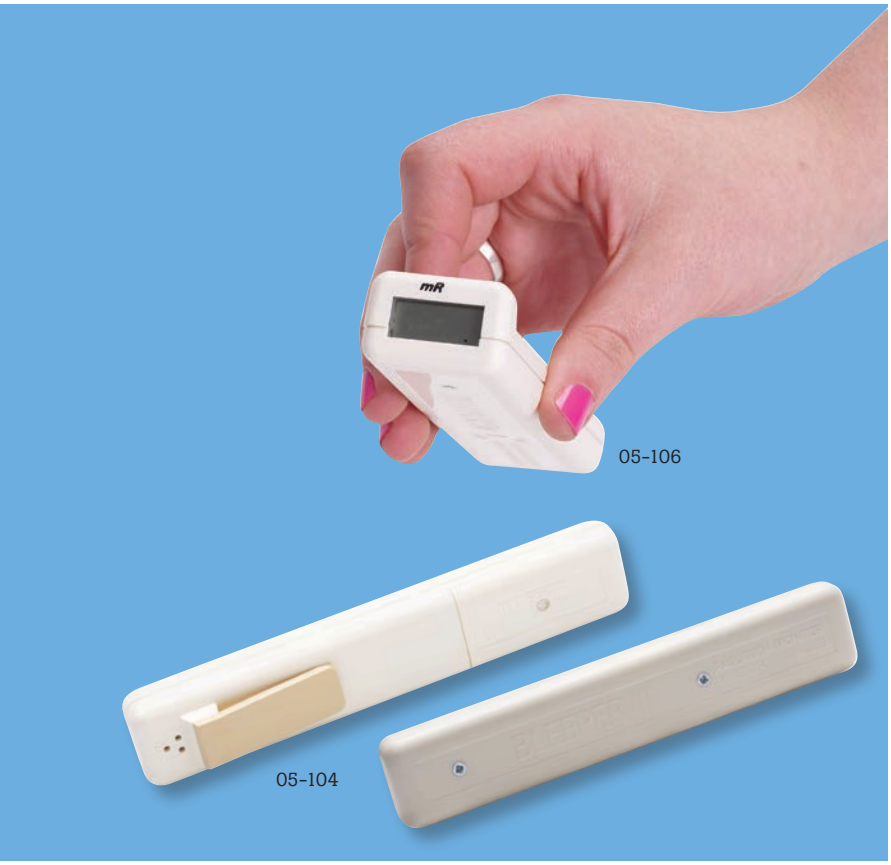
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05-106 and 05-104

Bleeper mR and Bleeper III Personal Radiation Monitors

Technical Data



05-106 Bleeper mR

The slim, compact Bleeper mR is the ideal personal monitoring device for alerting personnel to the presence of x-ray or gamma radiation in medical, industrial or research settings. It accurately measures and displays the accumulated radiation dose received on an easy-to-read LCD display. The only control is a recessed switch for operation (on and off), which ensures that the instrument cannot be turned off accidentally.

Bleeper mR is an enhanced version of the highly popular Bleeper III and utilizes the same proven technology. The frequency of loud "bleeps" increases as a function of the radiation field intensity: from one bleep every 15 minutes to 30 minutes in the presence of background radiation, to becoming a continuous sound in high radiation fields. A series of quiet "clicks" indicates the instrument is properly functioning.

05-104 Bleeper III

The Bleeper III is a simple, convenient instrument for alerting personnel to the presence of x-ray or gamma radiation. The instrument operates continuously and provides a clear, audible indication of dose rates. While it produces a "bleep" every 15 minutes for normal background radiation, the frequency of "bleeps" increases with the dose rate until a continuous tone is achieved in high radiation fields.

Key features

05-106 Bleeper mR

- Continuously monitors x-ray and gamma radiation exposure and provides instant, accurate readings
- LCD 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
- Energy and polar responses provide reliable readings that match those from TLDs and film badges

05-104 Bleeper III

- Provides a continuous indication of gamma or x-ray radiation dose rate
- Lightweight, pocket-size unit that is secured by a clip
- No controls or adjustments are required

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Specifications

05-106 Bleeper mR	
Bleep rates for background radiation	Approx. 1 bleep every 15 minutes 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 (± 25 %)
Doserate response	Linear to 5 R/h (± 20 %)
Display	LCD 0.1 mR to 999,999.9 mR
Battery	Three alkaline batteries, size AAA Typical battery life is one year
Temperature range	-20 °C to 50 °C (4 °F to 122 °F)
Dimensions (WxD)	3.56 cm x 15.24 cm (1.4 in x 6 in)
Display area	1.52 cm x 2.29 cm (0.6 in x 0.9 in)
Weight	0.11 kg (0.25 lb)
05-104 Bleeper III	
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	45 keV/h to 6 MeV
Temperature range	-20 °C to 50 °C (-4 °F to 122 °F)
Batteries	Two alkaline AAA Battery life approximately one year
Construction	Plastic case with clip
Dimensions (WxDxH)	2.54 cm x 13.97 cm x 1.60 cm (1 in x 5.5 in x 0.63 in)
Weight	0.08 kg (0.17 lb)

About Fluke Biomedical

Fluke Biomedical is the world's leading manufacturer of quality biomedical test and simulation products. In addition, Fluke Biomedical provides the latest medical imaging and oncology quality-assurance solutions for regulatory compliance. Highly credentialed and equipped with a NVLAP Lab Code 200566-6 accredited laboratory, Fluke Biomedical also offers the best in quality and customer service for all your equipment calibration needs.

Today, biomedical personnel must meet the increasing regulatory pressures, higher quality standards, and rapid technological growth, while performing their work faster and more efficiently than ever. Fluke Biomedical provides a diverse range of software and hardware tools to meet today's challenges.

Fluke Biomedical Regulatory Commitment

As a medical test device manufacturer, we recognize and follow certain quality standards and certifications when developing our products. We are ISO 9001 and ISO 13485 medical device certified and our products are:

- NIST Traceable and Calibrated
- UL, CSA, ETL Certified, where required
- NRC Compliant, where required

Ordering information

Model

05-106 Bleeper mR Radiation Monitor
05-106-2200 Bleeper µSv Radiation Monitor
05-104 Bleeper III Personal Radiation Monitor

Fluke Biomedical.
Better products. More choices. One company.

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