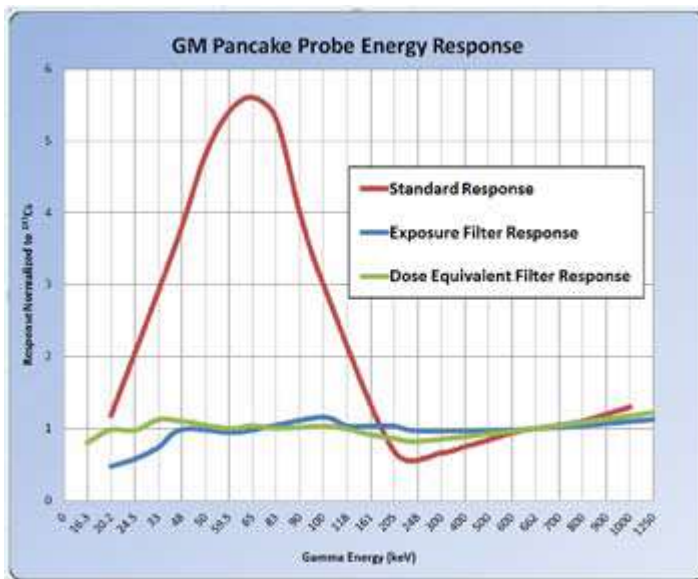


Your Alternative
To The Obvious

Energy Compensation Filter for the Model 44-9 GM Pancake Probe



Ludlum offers an energy compensation filter that flattens the energy response of its popular Model 44-9 GM pancake detector to facilitate measuring Ambient Equivalent Dose. As most know, the venerable GM pancake has a significant over-response at lower energies between approximately 20 to 160 keV (see red line on graph above). Any exposure or dose measurements taken with an unfiltered GM pancake detector would thus have unacceptable errors at these lower energies. The filter developed by Ludlum flattens the response to within $\pm 20\%$ referenced to ^{137}Cs (662 keV) over an energy range of 20 keV to 1.2 MeV for Ambient Dose Equivalent. The filter simply snaps on across the face of any Ludlum Model 44-9 GM pancake probe whenever these type of measurements are desired. The filter is then again easily removed to continue on with measuring contamination (cps.). Filters can be purchased separately or together with a new Model 44-9 probe. The Exposure filter comes in a kit that provides the filter plus a replacement detector protective screen that can easily be changed out. This makes the probe ideal for X-Ray surveys.

Model 3 General Purpose Ratemeter

FEATURES

- Supports GM, Proportional & Scintillation Type Detectors
- Low Price
- Rugged
- 4-Decade Analogue Ratemeter
- Greater than 2000 Hour Battery Life



Introduction

Ludlum's best selling, general purpose, handheld analogue ratemeter, the Model 3 is known for accuracy and long-lasting dependability. The analogue meter comes in a variety of measurement ranges and units to support the external radiation detector selected. The aluminium cast instrument housing with its sealed battery compartment and accompanying metal handle offer an industrial robustness and quality that promote long-lasting protection and instrument life.

Specifications

COMPATIBLE DETECTORS: GM, proportional, scintillation

HIGH VOLTAGE: adjustable from 400-1500 Vdc

THRESHOLD: fixed at 40 mV \pm 10 mV

LINEARITY: within 10% of true value

CONTROLS:

- Rotary Selector Switch: off, battery check, range selections for x0.1, x1, x10, x100
- Reset: pushbutton to zero meter
- Response Switch: toggles between FAST (4 seconds) or SLOW (22 seconds) from 10% to 90% of final reading
- Audio Switch: on/off, built-in unimorph speaker, 60 dB at 61 cm (2 ft)
- Calibration Controls: accessible from front of instrument (protective cover provided)

CONSTRUCTION: cast and drawn aluminium with beige powder coating

METER DIAL: 0-110 cps or 0-20uSv/hr

TEMPERATURE RANGE: -20 to 50 °C

May be certified for operation from -40 to 65 °C

POWER: two each "D" cell batteries (housed in externally accessible sealed compartment)

BATTERY LIFE: typically greater than 2000 hours with alkaline batteries (battery condition can be checked on meter)

SIZE: 16.5 x 8.9 x 21.6 cm (H x W x L)

WEIGHT: 1.6 kg including batteries

Model 3A General Purpose Ratemeter

The Model 3a is just like the Model 3 but has a settable alarm

Price list

May 2011

DESCRIPTION	PRICE
44-9 Dose Filter	£93.00
Model 44-9 probe with dose filter	£325.00
Model 44-9 probe with dose filter plus model 3 ratemeter in cps & uSv/hr	£825.00
Model 44-9 probe with dose filter plus model 3A ratemeter in cps & uSv/hr	£985.00

Above prices include all duty and delivery charges but are plus VAT