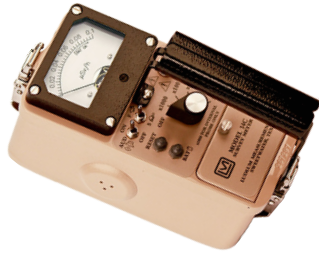


## Model 14C Survey Meter



The Model 14C General Purpose Survey Meter features a 5-range analog ratemeter and operates two detectors; a built-in internal GM Detector (0-2000 mR/hr) and an external GM or Scintillation Detector. The cast aluminum housing, with its separate battery compartment and accompanying metal handle, offer an industrial robustness and quality that promotes long-lasting protection and instrument life. The front panel controls include a rotary switch for selecting the five-decade range and instrument shut-off, an audio on/off switch, a fast/slow response switch, a high-voltage display button and a battery test button. A 39" straight type detector cable with "C" style connector is included.

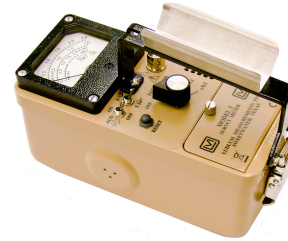
**Application:** Alpha, Beta and Gamma surveying  
 Energy compensated GM (used with x 1000 scale only)  
**Internal Detector:** Range 0-20 mSv/hr (0-2000 mR/hr)  
 Sensitivity 200 cpm per mR/hr  
**Compatible External Detectors:** Any GM or Scintillation operating on 900 VDC

**Detector Channels:**

**External:** x0.1 through x100 range settings  
**Internal GM:** x1000 setting  
**Energy Response:** within 15% of true value between 60 keV-3 MeV (internal detector only)  
**Linearity:** reading within 10% of true value with detector connected  
**Meter Dial:** 0-2 mR/hr, 0-5 kcpm, BAT TEST (others available)  
**Meter:** 6.4 cm (2.5 in) arc, 1 mA analog type  
**Rotary Selector Switch:** Switches between Off, Ranges: x0.1, x1, x10, x100, x1000  
**Response Switch:** Toggles between FAST (4 sec) or SLOW (22 sec) from 10% to 90% of final reading  
**Controls:**  
**Reset Push Button:** Zeroes meter  
**Battery Push Button:** Checks battery status  
**Audio Switch:** Audio on/off, built-in unimorph speaker, greater than 60 dB at 0.6 meters (2 ft) 900 Vdc  
**High Voltage:** -40 mV to 10 mV  
**Threshold:** -20 to 50° C (-4 to 122° F)  
**Temperature Range:** < 95%  
**Relative Humidity:** 2 each "D" cell batteries  
**Power:** Typically greater than 2000 hours  
**Battery Life:** Cast and drawn aluminum with beige powder coat  
**Construction:** Series "C" (others available)  
**Connector:** 6.5" H x 3.5" W x 8.5" L  
**Size:** 3.5 lb (including batteries)  
**Weight:**

- 051-016 Model 14C Survey Meter, only  
*Probe not included, see page 131*
- 051-013 Model 14C + 44-9 Pancake Probe  
*(check source & holder not included)*
- 051-014 Model 14C + 44-7 End Window Probe  
*(check source & holder not included)*
- 051-4438 Model 14C + 44-38 Energy Comp Probe  
*(check source & holder not included)*
- 051-196 Check Source Cs-137 1.0 µCi
- 051-197 Check Source With Stick On Holder  
Cs-137 0.25 µCi
- 051-166 Check Source Holder

## Model 3 Survey Meter



The Model 3 General Purpose Survey Meter features a 4-range analog ratemeter and supports GM & Scintillation Type Detectors. Known for its accuracy and long-lasting dependability, it comes in a variety of measurement ranges and units to support the external radiation detector selected. The cast aluminum instrument housing, with its separate battery compartment and accompanying metal handle, offer an industrial robustness and quality that promote long-lasting protection and instrument life. The front-panel controls include a rotary switch for selecting the four-decade range, instrument shut-off, and battery test, an audio on/off switch, a fast/slow response switch, and a count reset button. A 39" straight type detector cable with "C" style connector is included.

**Application:** Alpha, Beta and Gamma surveying

**Compatible Detectors:** GM, Scintillation

**Linearity:** reading within 10% of true value with detector connected  
**Meter Dial:** 0-2 mR/hr, or 0-500 kcpm, BAT TEST (others available)  
**Meter:** 6.4 cm (2.5 in) arc, 1 mA analog type

**Controls:**

**Rotary Selector Switch:** Switches between instrument Off, Battery check, Range: x0.1, x1, x10, x100  
**Response Switch:** Toggles between FAST (4 sec) or SLOW (22 sec) from 10% to 90% of final reading  
**Reset: Push Button:** Zeroes meter  
**Audio Switch:** Audio on/off, built-in unimorph speaker, 60 dB at 0.6 meters  
**Calibration Controls:** Accessible from front of instrument (protective cover provided)  
**High Voltage:** Adjustable from 400 to 1500 Vdc  
**Threshold:** Fixed at -35 mV ± 10 mV  
**Temperature Range:** -20 to 50° C (-4 to 122° F)  
**Power:** 2 each "D" cell batteries  
**Battery Life:** Typically greater than 2000 hours  
**Construction:** Cast and drawn aluminum with beige powder coat  
**Connector:** Series "C" (others available)  
**Size:** 6.5" H x 3.5" W x 8.5" D  
**Weight:** 3.5 lb (including batteries)

- 051-003 Model 3 Survey Meter, only  
*Probe not included, see page 111*
- 051-196 Check Source Cs-137 1.0 µCi
- 051-197 Check Source With Stick On Holder  
Cs-137 0.25 µCi
- 051-166 Check Source Holder

**Select Probe from page 111**