

AccuSync

AccuSurvtm 100

Survey Meter

Features

- *Monitors alpha, beta and gamma*
- *Compact, light-weight and portable design*
- *Easy to use, menu-driven interface*
- *Units include CPM, CPS, μ R/hr, mR/hr, R/hr*
- *Auto-ranging with graphic range indicator*
- *Automatic response time selection*
- *Operating range of 0 to 10 million CPM*
- *Multiple probe use*
- *Internal pancake and GM detectors*
- *Graphic LCD display with backlight and digital contrast adjustment*
- *Electronically stabilized adjustable high voltage*
- *High voltage and calibration settings for multiple probes loaded automatically*
- *Full range audio indicator and alarm*
- *Time-stamped data storage for 20 locations*
- *Integrate mode with timer*
- *Built-in RS-232 port for data input and output to a computer*
- *Rechargeable battery (NiMH) with on-board battery charging system*



The **AccuSurv 100** is a compact and light-weight handheld survey meter for radiation detection with an operating range of 1μ R/hr to 1R/hr or 1 to 10,000,000 counts per minute (CPM). It contains a microprocessor controlled high voltage supply with an adjustable output up to 1000 volts.

The intuitive and user-friendly menu-driven interface allows the user to select different units, change contrast and audio levels and choose between multiple internal or external probes. In normal operating mode, the graphic LCD displays an activity bar graph, battery life indicator, probe selection, radiation units, response time changes, integrated counts and timer.

Calibration settings for multiple probes are stored in nonvolatile internal memory and can be programmed directly into the unit or received from a computer. On selection of a different probe by the user, the calibration information and high voltage settings for the probe are automatically loaded and the high voltage adjusted accordingly.

The Integrate mode features a real-time clock to record the integrated counts and corresponding time period and store the data for up to 20 locations. Data for each location can be viewed or erased on the unit itself or can be transmitted to a computer for printing or saving to disk.

A serial computer interface (RS-232) for input and output allows a computer to change settings, and count data can be transferred to the computer for printing or saving to disk.

The AccuSurv 100 can be configured with any or all of four different detector options, depending on your specific radiation detection needs.

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Range:	Digital display with auto-ranging from 0 to 10,000,000 CPM with graphic range indicator.
Units:	CPM, CPS, uR/hr, mR/hr, and R/hr.
Response Time:	Automatically selected and adjusted response time from 1 second to 10 seconds depending on activity.
Audio:	7 volume levels to indicate activity and to sound alarm when user programmed threshold is reached.
High Voltage:	Automatically stabilized, digitally controlled high voltage adjustable up to 1000 volts.
Internal Detector:	Energy-compensated GM, for high range gamma detection.
Display:	128x128 graphic transfective LCD with white LED backlight for improved visibility in low light and lower battery consumption in adequate ambient light.
RS232:	19200 bps for transferring stored data to a computer and receiving calibration data.
Keypad:	4 membrane switches.
Real-time clock:	For time-stamped data storage, with backup battery to maintain accurate date and time.
Batteries:	7.2V NiMH rechargeable battery, typical running time 50 hours per charging cycle.
DC Adapter:	12-18V DC regulated, 1.0A
Dimensions:	Width 3.785", Length 7.25", Height 1.75"
Weight:	1.5 lbs (with batteries 2.25 lbs).
ISO Registration:	AccuSync Medical Research Corporation is an ISO9001 and ISO13485 registered manufacturer of medical devices and related instruments in nuclear medicine.



AccuSurv 100 with optional Pancake GM Probe and Energy-compensated Side-window GM Probe.

Detector options:

Option 1: Internal pancake GM and internal energy compensated thin wall probes

Alpha, beta and gamma counting, sample counting.

Range 0-200 mR/hr, 0-2R/hr

Option 2: External pancake GM probe

Alpha, beta and gamma counting.

Range 0-2R/hr

Option 3: External end-window GM probe

Alpha, beta and gamma counting.

Range 0-2R/hr

Option 4: External energy-compensated GM probe

Beta and gamma counting.

Range 0-2R/hr

Option 5: External NaI crystal probes

Gamma counting.

Crystal size 1" x 1mm, 1" x 1" or 2" x 2"

NEW ITEM!

Please call us for options and pricing.

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