



## RANGER Survey Meter

The Ranger offers maximum performance in a lightweight, rugged solution for surveying at the facility or in the field. The Ranger has been designed for industrial environments, but it still has all of the features you've come to love in the lab. The Ranger is a small, handheld, microprocessor-based instrument which offers excellent sensitivity to low levels of alpha, beta, gamma, and x-rays and has built in efficiencies for common isotopes to calculate activity in Bq and DPM. It has a backlit digital display, a red count light, and a beeper that sounds with each count detected. Other features include selectable alert levels, an adjustable timer, and an optional wipe test plate for swipes. Internal memory and the free Observer USB Software allow you to download your data, set computer alarms, and calibrate your instrument!

## Specifications

Range: .....	mR/hr - .001 (1 $\mu$ R) to 100 CPM - 0 to 350,000 $\mu$ Sv/hr - .01 to 1000 CPS - 0 to 5000 Total Counts- 1 to 9,999,000 counts
Accuracy.....	Typically $\pm$ 15% from factory, $\pm$ 10% with NIST Source Calibration(Referenced to Cs137)
Energy Sensitivity.....	Detects Alpha down to 2 MeV. Detects Beta down to .16 MeV; typical detection efficiency at 1 MeV is approx. 25%. Detects Gamma down to 10 KeV through the detector window. 3340 CPM/mR/hr (137Cs). Smallest detectable level for 125I is .02 $\mu$ Ci at contact.
Power: .....	two AA batteries (included)
Battery life: .....	800hrs. continuous operation