

Gamma survey meter Model 189

The hand-portable Scintrex Model 189 gamma survey meter is designed for the measurement of exposure rates from X and gamma ray radiation. The instrument is available in a choice of models as follows:

The gamma survey meter consists of an all metal two-part housing. All external push-buttons and single on/off switch are to military standards (MIL-202). A connector (MIL-C-5015) permits mating of the sensor probe to the main instrument housing. This probe can either be coupled directly, or via a 1.45 m extension tube, to the main body. A shock-mounted chassis within the housing supports all necessary electronics. Off-shelf replacement circuit boards and probes can be

plugged in directly without the need for recalibration. Dead-time compensation and dose-rate overexposure protection are featured in the electronic design.

Model 189C also incorporates a resettable dose integrator that provides dose accumulation on a digital display. All models are equipped with carrying strap and case.

Technical data

- Power source: four C-cells (1.5 V each)
- Sensor type: Geiger tube, energy compensated
- Operational temperature range: -35° to $+60^{\circ}\text{C}$
- Operational humidity: up to 100% relative humidity



Gamma survey meter (general configuration Model 189A and Model 189B).

Physical data			
	Model 189A	Model 189B	Model 189C
Weight (kg) (with batteries)	1.95	1.95	1.97
Width (cm)	10.8	10.8	10.8
Height (cm)	26.5	26.5	26.5
Depth (cm)	36.4	36.4	36.4
Model	Range		
Medium range Model 189A	1 mrem/h to 50 rem/h		
High range Model 189B	10 to 10 000 rem/h		
Emergency high range Model 189C (gamma survey meter and dose integrator)	0.2 to 200 rem/min		



Emergency high range gamma survey meter and dose integrator, Model 189C.