

## Model ASM-990 Survey Meter

The ASM-990 survey meter is an easy-to-use instrument that detects alpha, beta, gamma, neutron, or x-ray radiation within an operating range of 1  $\mu$ R/h to 1 R/h or 1 CPM to 5,000,000 CPM, depending on the probe selection. Visual indication of measured values and selectable parameters is displayed on the analog/digital display. The Survey Mode feature allows the user to store up to 5 separate sequences. The ASM-990 is compatible with Geiger-Mueller (G-M) detectors, neutron probes, proportional counters, and scintillation probes operating from 500 to 1300 volts.

The ASM-990 is designed to meet high technology requirements of health physics, medical physics, and nondestructive testing applications. Radiation safety officers (RSO), nuclear medicine laboratories, diagnostic x-ray and hospital emergency room technologists, and environmental health physicists will appreciate this intelligent survey meter with its cell phone like multifunction key for easy menu navigation. The ASM-990 includes a natural uranium check source mounted to the case of the unit. The unit is supplied with a MHV connector to ensure compatibility with a large number of probes. The ASM-990, with a purchased probe, is shipped calibrated and ready-to-use.

### Features:

- ▶ Advanced survey meter for multiple hospital and environmental applications
- ▶ Lightweight, ergonomic design, backlit analog/digital display
- ▶ Detects alpha, beta, gamma, and x-ray
- ▶ Autoranging
- ▶ Multiple probe use (up to 5)
- ▶ Built-in scaler functions
- ▶ Survey Mode data logging feature
- ▶ Timed Peak Hold feature
- ▶ Cell phone-like multi-function key for easy menu navigation
- ▶ Error-free visual indication
- ▶ Full range audio output capability
- ▶ Integrated handle



Model ASM-990 shown with optional G-M pancake probe

### Specifications

Operating modes:	Rate, Integrate, Scaler
Accuracy:	within 10% of reading from 10% - 100% full scale, probe dependent
Detector:	accepts G-M detectors, neutron probes, scintillation probes, and proportional counters
Data logging:	500 points in any of three modes:
Manual:	press button to save
Timed:	user selectable 1 - 255 s interval
Survey:	5 sequences input via Ir DA port
Power:	two "C" cells, 75 hours operation, battery low indication
Warm up time:	5 second diagnostic check
Temperature range:	-10° C to +50° C
Relative humidity:	0 to 95%, non-condensing
Housing material:	polycarbonate, splash-proof case
Dimensions:	10.47 cm x 27.71 cm x 6.35 cm (4 in x 11 in x 2.5 in)
Display:	LCD, 5.6 cm x 5.6 cm (2.2 in x 2.2 in) shows average of the bar graph value, radiation unit changes, response time changes, data, labels and clock
Weight:	0.68 kg (1.5 lbs) without probe
Probe connector:	MHV connector can be used with up to 5 probes by selecting from main menu

### Accessories

Model 990-IR-USB	.....	USB IrDA Adapter
Model 990-IR-SER	.....	Serial Port IrDA Adapter