

# DSM-502 DIGITAL SURVEY METER/Internal Detector

The DSM-502 boasts an oversized digital display. It has a unique counts to dose capability allowing the user to quickly change from count rate to dose rate and back by the flip of a toggle switch. Other features include a scaler for counts per unit of time, display error indications and audible/visual ALARMS. The internal Energy Compensated GM Tube has a dose rate range of 50  $\mu$ R/hr-2000 mR/hr.

## FEATURES:

- ◆ **LARGE DIGITAL DISPLAY**
- ◆ **AUTO RANGING UNITS**
- ◆ **DUAL MODE CAPACITY FOR DOSE RATE & COUNT RATE**
- ◆ **AUDIBLE/VISUAL ALARMS**



## DSM-502 SPECIFICATIONS:

Dose/Counts Switch	Change Dose Rate to Count Rate by Toggling an External Switch
Display	LCD 4-Digit x .75" LCD w/LED Backlight
Detector	Energy Compensated GM Tube
Energy Range	60 keV – 3 MeV
Dose Range	50 $\mu$ R/hr - 2000 mR/hr or equivalent Sv/hr
CPM Range	0-999.9 Kcpm or Kcps
Probe Linearization	Internal adjust for calibration constant and dead time
Scaler Ranges	0-999.9 Kcounts
Scaler Count Time Ranges	10-2550 Seconds (10 second increments)
Alarms	5-95% of Range
Diagnostics	Low Battery, Over-range - Audible & Visual Alarms
Range Adjustment	Auto-Ranging All Scales
Electrical Non-Linearity	< 5% Full Scale
Response Time	Fast - 10-2550 Seconds (adjustable) / Slow 10-250 seconds (adjustable)
Drift	< 5%
Environmental	-20°F [-28°C] to 140°F [60°C] 5-95% RH IPX4 Housing
High Voltage Adjustable	400-1250 VDC   Regulation +/-1%
Battery	6 - "AA" Alkaline (nominal 200hrs Operation)
Dimensions	6.25" (16cm) H x 4" (10cm) W x 7" (18cm) L
Weight	2.5 lbs. (1.2 Kilos)