

# ERK-525

## Emergency Response Kit

### Survey Meter w/dual detectors



The ERK-525 is a complete, portable radiation monitoring system designed to measure a broad range of radioisotope contamination under field conditions. The system contains a state of the art, microprocessor based digital display meter that auto ranges and can detect most of the common alpha, beta & gamma radiation that is likely to be present in an emergency situation. The DSM-525 is a dual probe survey meter that measures contamination and dose levels from micro-R to 200 mR/hr levels of gamma isotopes (Based on 137-Cs calibration). The instrument and accessories are contained in a very durable water resistant carrying case for easy storage and portability. The ERK-525 does not require changing probes to obtain the full operational benefits of the system; the user needs only to turn the selector switch to the desired probe and the rest of the operation is automatic.



One Meter - Two Probes - No Changing of Probes Required



Dose Rate, Count Rate, & Scaler Modes



Each Probe is Calibrated to mR/hr & CPM



Includes: DSM-525, MRSP-1, HP-265, Cs-137 CS, Cables, Waterproof case.

Input Sensitivity	0.05V
Dose/CPM Switchable	External Dose / CPM Switch
Display-LCD	CPM, KCPM, CPS, uR/hr,mR/hr,R/hr,uSv/hr,mSv/hr,Sv/hr
LCD Refresh Rate	0.8 - 3.0 Sec adjustable
Display Backlight	push button, 30 Second auto off
Scaler Count Time Ranges	10-2550 Seconds (10 second increments)
Probe 1 Ranges	0-999.9 R/hr 0-999.9 Kcpm
Probe 2 Ranges	0-999.9 R/hr 0-999.9 Kcpm
Scaler Ranges	0-9,999 Kcpm
Alarms (optional)	5-95% of full scale for Dose & CPM
Diagnostics	Low Battery, Overrange - Audible and Visual Alarms
Over Range Alarm	Adjustable 10% above max range - dose calibration only
Electrical Non-Linearity	< 5%
Response Time	Fast - 10-2550 Seconds (adjustable)   Slow 10-250 seconds (adjustable)
Drift	<5%
Environmental	-20° F[-28° C]-140° F[60° C]   5-95% RH IPX4 Housing
#1 High Voltage	Adjustable 300-1500 VDC Regulation +-1%
#2 High Voltage	Adjustable 300-1500 VDC Regulation +-1%
Audio (click per event)	On--Off switch on front panel
Battery	6 "AA" Alkaline-400 hours nominal
Circuitry	Digital Microprocessor Controlled
Dimensions	5.25" (14cm) H x 4" (10cm) W x 7" (18cm) L
Weight	2.5 lbs. (1.2 Kilos) w/Batteries
Construction	Rugged Heavy Duty Cast Aluminum & Stainless Steel
Data Output (optional)	9 Pin Serial RS-232 - Panel switch manual data extraction (optional)