

MFG & MODEL	INSTRUMENT	DESCRIPTION	RATES (\$)	
			Monthly (28 days)	Weekly (7 days)
RATEMETERS / SCALERS / ION CHAMBERS / TRAY COUNTERS				
Bicron/Thermo MicroRem Meter	Tissue Equivalent Exposure Meter	These instruments give tissue-equivalent photon response for X-ray and gamma radiation from environmental levels of 0 to 20 µrem/h (0 to 0.2 µSv/h) full scale up to normal survey levels of 200 mrem/h (2 mSv/h) full scale.	250	100
Ludlum 3 & 44-2	micro-R Survey Meter NORM Meter	Ratemeter with NaI 1"x1" probe. Used for gamma ray exposure rates. Often referred to as a NORM meter. (Calibrated to Cs-137)	125	75
Ludlum 12	Ratemeter	General survey meter used with probes to measure rates/counts. Adjustable HV and threshold.	100	50
Ludlum 9	Ion Chamber	General purpose survey meter. Exposure rate measurements. (0 - 5000 mR/hr)	125	75
Ludlum 19	micro-R Survey Meter	Gamma ray exposure rates. (0 - 5mR/hr) (Calibrated to Cs-137 or Ra-226)	100	50
Ludlum 177	Alarm Ratemeter	Used with GM detector at frisking station.	100	50
Ludlum 1000	Scaler (120v AC or 4 D-cell Battery powered)	Used for gross sample counting. Digital readout. Adjustable count time. Typically used with 43-10.	170	60
Ludlum 2000	Scaler (120v AC or 4 D-cell Battery)	Used for gross sample counting. Digital readout. Adjustable count time and threshold. Typically used with 43-10.	200	75
Ludlum 2221 (RS-232)	Digital Scaler/Ratemeter	General survey meter used with probes to measure rates/counts. Adjustable count time, HV, and window. Single Channel Analyzer. RS-232 output available on most units.	225	75
Ludlum 2224	Digital Alpha/Beta Data Logger Scaler/Ratemeter	Discriminates between alpha and beta when used with phoswich detector. Typically set up with proportional or phoswich detector.	150	75
Ludlum 2241	Digital Scaler/Ratemeter	General survey meter used with probes to measure rates/counts.	150	75
Ludlum 2360	Digital Alpha/Beta Data Logger	Discriminates between alpha and beta when used with phoswich detector. Typically set up with proportional or phoswich detector. Capable of logging up to 550 individual data points.	200	100
Ludlum 2929 & 43-10-1	Alpha/Beta Scaler & Phoswich Tray Counter	Scaler paired with alpha/beta tray counter. Separate LED	275	125
RADIATION MEASUREMENT DETECTORS				
Ludlum 43-1	Alpha Probe	ZnS alpha scintillator (83 cm ² active area) used for surface contamination monitoring.	100	50
Ludlum 43-5	Alpha Probe	ZnS alpha scintillator (76 cm ² active area) used for surface contamination monitoring.	55	40
Ludlum 43-10	Alpha Tray Counter	ZnS alpha scintillator. Tray counter for wipe and air samples. Typically used with model 1000, 2000, or 2221.	75	40

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Ludlum 43-37	Large Area Alpha/Beta Gas Proportional Probe	Large area gas proportional (582 cm2 active area) used for surface contamination monitoring. Must be charged with P-10 counting gas.	350	175
Ludlum 43-68	Alpha/Beta Gas Proportional Probe	Gas proportional (126 cm2 active area) used for surface contamination monitoring. Must be charged with P-10 counting gas.	80	50
Ludlum 43-89	Alpha/Beta Phoswhich Probe	ZnS alpha scintillator with thick plastic beta scintillation material (126 cm2 active area) used for surface contamination monitoring.	125	75
Ludlum 43-90	Alpha Probe	ZnS alpha scintillator (126 cm2 active area) used for surface contamination monitoring.	90	75
Ludlum 43-93	Alpha/Beta Phoswhich Probe	ZnS alpha scintillator with thick plastic beta scintillation material (100 cm2 active area) used for surface contamination monitoring.	150	100
Ludlum 44-1	Beta Probe	Scintillator (11.6 cm2 open and active area) used for beta detection.	75	40
Ludlum 44-3	Low Energy Gamma Probe	1"x1 mm NaI gamma scintillator probe for low energy gamma (I-125) and X-ray surveys.	75	40
Ludlum 44-9	Pancake G-M Probe	Aluminum housed G-M tube (15 cm2 active area) used for alpha, beta/gamma survey.	40	30
Ludlum 44-10	Gamma Probe	NaI 2"x2" probe with gamma scintillator used for high energy gamma surveys. High sensitivity gamma survey when used with polyshield as collimator.	75	40
Ludlum 44-17	Low Energy Gamma Probe	2" x 2mm NaI gamma scintillator probe for low energy gamma (I-125) and X-ray surveys.	75	40
Ludlum 44-20	Gamma Probe	NaI 3"x3" probe with gamma scintillator used for high energy gamma surveys. High sensitivity gamma survey when used with polyshield as collimator.	500	300
Ludlum 44-40	Shielded Pancake G-M Probe	Lead shielded G-M tube (15 cm2 active area) used for alpha, beta-gamma survey. For use in high gamma shine areas.	50	35
Ludlum 44-62	Gamma Probe	NaI 0.5" diameter x 1" thick scintillator used for wide-energy gamma detection	75	40
Ludlum 44-94	Alpha/Beta/Gamma Detector	4 GM pancake detector	100	50
Ludlum 44-116	Beta Probe	Plastic beta scintillator (126 cm2 active area) used for surface contamination monitoring.	95	75
Ludlum 182	Radon Flask Counter	Lucas Cell Counting	200	100
Ludlum 218	Radon Flask Counter	Large flask counter (5 in. dia.) Great for gross alpha soil sample counting. Contact Chuck Farr or Ken Baker at ERG for discussion on how to set up a gross alpha field lab using the Model 218.	350	200

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Ludlum 239-1F	Floor Monitor Cart, Gas Proportional Probe, and Ludlum 2221 or 2360 Detector	Gas proportional (582cm ² active area) used for floor / surface contamination monitoring. Must be charged with P-10 counting gas. The price includes cart, meter, probe and regulator. User must provide P-10 gas cylinder.	700	350
Eberline HP210L	Shielded Pancake G-M Probe	Lead shielded G-M tube (15 cm ² active area) used for alpha, beta-gamma survey. For use in high gamma shine areas.	50	35
Alpha Spectra FIDLER	Low Energy Photon Probe	Beryllium window thin NaI scintillator for the detection of low energy photons. (F)ield (I)nstrument for (D)etecting (L)ow (E)nergy (R)adiation.	800	300
INDUSTRIAL HYGIENE EQUIPMENT & SUPPLIES				
MIE Personal DataRAM pDR-1000AN	Aerosol Monitor	Hand-Held and fixed-point, real-time aerosol monitor and data logger	600	200
Photovac 2020 PID	Photoionization Detector	The Photovac 2020 PID is ideal for the fast detection of Volatile Organic Compounds (VOCs). Weighing under 2 lbs., the Photovac 2020 is light, yet rugged. Samples are drawn in through the internal pump and results are displayed within seconds on the large, easy-to-read backlit LCD display.	600	200
MSA Passport Personal Alarm	LEL, CO, O ₂ H ₂ S Monitor	Allows you to continuously monitor up to five gases simultaneously in a single compact unit. Weighing only 30 ounces, the Passport Personal Alarm can be hand held, clipped to your belt, or positioned in a stationary area.	600	200
Extech Model 407330	Digital Sound Meter	NIST Traceable Digital Noise Meter. 40 to 130dB measuring range. Record Max/Min values over time	75	50
MSA Escort ELF Air Sampler	Lapel Air Sampler	For personal air sampling. Sampling rate of up to 3 liters per minute. Includes charger, and 37 mm filter holder. Cyclone particle separator available.	200	120
MiniBUCK M-5 Primary Flow Lapel Calibrator		NIST traceable digital calibrator for MSA Escort ELF Air Sampler.	200	120
Eberline RAS-1	Intermediate Volume Air Sampler	For air quality measurements. Sampling rate of up to 80 liters per minute. Unit comes with 47 mm filter holder.	125	100
37mm Air filter		Gelman Type A/E 37mm Glass Fiber Filter. Box of 100.	50	
47mm Air filter		Gelman Type A/E 47mm Glass Fiber Filter. Box of 100.	50	
37mm Air filter cartridge		Plastic cartridge to hold 37mm air filter. Package of 10.	50	
47mm Planchetts		47mm aluminum planchetts. Package of 100.	25	
RADIOACTIVE SOURCES / OTHER EQUIPMENT / SUPPLIES				
RadMap	Ultrasonic Automated Survey System	Ultrasonic survey system that automatically records ratemeter/scaler output and associated X, Y, Z position. For full description see ERG Indoor Survey Systems.	3000	n/a

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Trimble Pro XRS & TSCe w/Model 44-10	GPS Survey System	GPS data collection and data maintenance system that provides real-time submeter accuracy. Incorporates a 12-channel, differential correction service antenna, coast guard beacon antenna, and DOD GPS satellite antenna in one housing	3,000	750
Trimble Pro XRS & TSCe w/Model 44-20			3,400	850
Trimble Pro XRS & TSCe w/ FIDLER			3,400	850
Trimble Pro XRS & TSCe			1,800	450
Soil Auger	Soil Sampling Hand Tool	3" diameter soil auger with 3' extension rod and hand grip.	250	100
Eberline Depleted U	Electroplated Source	Exempt quantity Depleted Uranium source.	50	25
Eberline Th-230	Electroplated Source	Exempt quantity Thorium-230 Alpha source.	50	25
Eberline Sr/Y-90	Electroplated Source	Exempt quantity Strontium-90 / Yttrium-90 source.	50	25
The Source Cs-137	Button Source	Exempt quantity Cesium-137 source.	50	25
The Source Tc-99	Electroplated Source	Exempt quantity Technetium-99 Beta source.	50	25
Canberra MCA	Multi-Channel Analyzer	Gamma-ray MCA with NaI 3"x3" detector, 386 computer, and appropriate Canberra software.	700	n/a
EG&G Ortec MCA	Multi-Channel Analyzer (Field portable)	Micro NOMAD or DigiDART field portable gamma-ray MCA with NaI 2"x2" or 3"x3" detector and appropriate EG&G ORTEC software.	800	350
Polysield Lead Collimator		1/2" thick lead shield used with Ludlum Model 44-10 for high sensitivity gamma survey.	50	25
Removable contamination smears		1 3/4" dia. cloth smears premounted on folders. Box of 250.	25	