

## Wiper and Multi-Wiper™



**Wiper Gold**

With or Without Printer



**Multi-Wiper**

With Printer  
(domestic only)

LTIW100-NP	Wiper Gold <i>Without Printer</i>
LTIW100-P	Wiper Gold <i>With thermal printer</i>
LTIW1002	2 Well Counter
LTIW1003	3 Well Counter
LTIW1004	4 Well Counter
LTIW1005	5 Well Counter
LTIW1006	6 Well Counter
LTIW1008	8 Well Counter
LTIW1010	10 Well Counter

Full size printer included with all Multi-Wipers  
(domestic only)

- Comprehensive wipe testing with concise report in DPM
- Available with 1, 2, 3, 4, 5, 6, 8 or 10 wells
- Automatically identifies isotope window where high counts fall
- Pass/Fail based on user-programmable trigger levels
- Heavy shielding for low background readings
- Automatically calculates and reports MDA on each wipe test report
- 4096 channel (12 bit) analyzer for precise isotope identification
- Automatic linearity correction
- Automatic DPM calculation with AutoSpect™ (No sources needed)
- Programmed for Schilling, Plasma Volume, GFR and Red Cell Volume
- Exceeds all NRC and Agreement State Regulations for patient access areas
- Tremendous labor savings
- Very compact (occupies less than 20 inches of benchspace)
- Very economical

Specifications:

Detectors:	NaI(Tl) drilled well crystal/PMT assembly
Analyzer:	4096 Channel MCA, automatic dead time correction
Well Liner:	Removable plastic well liners prevents detector contamination
Display:	LED Backlit 4.5" LCD
Shielding:	0.85" virgin lead shielding with E-lead to eliminate crosstalk with high energy isotopes
Dimensions:	20" W x 10.5" H x 13.5" D, less than 100 lb depending on model
Power:	110/120 50/60 hz or 220-240 50/60 hz

## Ludlum Model 2200 Scaler Ratemeter Ludlum Model 243 Well Counter

Model 2200 Specifications:



Detectors:	GM, proportional, scintillation	Threshold:	Adjustable from 1.0 to 10.0
Scaler:	Six-digit LED display providing a range of 0-999999 counts	Window:	Adjustable from 0 to 10.0 above the threshold setting (can be enabled or disabled)
Scaler Linearity:	reading within 2% of true value	Discriminator:	Adjustable from 2-100 mV at threshold setting of 1.00
Timer:	pushwheel adjustment from 0-999 minutes with selectable x0.1 and x1 multipliers	Data Output:	9-pin, RS-232 port for connection to PC (includes 1 M RS-232 to USB adapter cable)
Ratemeter:	0-500,000 cpm total range	Meter:	2.5" arc, 1 mA movement analog type
Meter Dial:	0-500 cpm, 0-2.5 kV, BAT TEST	Power:	95-250 Vac, 50-60 Hz or 4 "D" cell batteries
Multipliers:	x1, x10, x100, x1000	Battery Life:	Typically 120 hours with alkaline batteries (battery condition can be checked on meter)
Ratemeter Linearity:	reading within 10% of true value	Temperature Range:	-20 to 50 ° C (-4 to 122 ° F) May be certified to operate from -40 to 65 ° C (-40 to 150 ° F)
Response:	toggle switch for FAST (4 seconds) or SLOW (22 seconds), from 10% to 90% of final reading	Size:	8.5" H x 5" W x 8.5" L, excluding handle
Zero:	pushbutton to zero meter	Weight:	7.5 lb, including battery
High Voltage:	adjustable from 200-2500 volts (will support 60-MQ scintillation loads)		

Model 243 Specifications:



Well:	0.67" Dia x 1.6" L	Background:	≤ 1000 cpm in a 10 uR/hr field (optional 0.5" lead shielding Part No. 7379-004)
Detector:	1.8" Dia x 2" thick NaI(Tl) well scintillator	Operating Voltage:	500-1200 volts
Sensitivity:	Will detect 0.005 µCi gamma or 200 dpm removable contamination for Tc-99m, I-131, Tl-201, In-111, I-125, Cs-137, Ga-67	Photomultiplier Tube:	2" diameter
Efficiency:	80% for I-125, 90% for Tc-99m, 33% for Cs-137, 43% for Co-60	Lead Shielding:	0.5" painted lead wall and removable cap
		Size:	Base- 8" L x 8" W Body- 3.5" Dia x 11" H
		Weight:	30 lb Shipping Weight: 46 lb

051-220  
187-243

Model 2200 Scaler/Ratemeter  
Model 243 Well Counter, 1" lead

Dose Calibrator Accessories, refer to page 5

Call Pinestar toll-free 1-800-682-2226, to place an order