



Instruments for Electrical Test & Measurement

**HIPOT**  
**GROUND BOND**  
**INSULATION RESISTANCE**  
**LINE LEAKAGE**  
**MULTI-FUNCTION ELECTRICAL SAFETY**

## 2200 Series



### Insulation Resistance tester

The 2205 is our stand-alone Insulation Resistance tester designed for use on the production line or in the field. With measurements up to 200 GΩ at voltages up to 1000 VDC, the 2205 can satisfy even the most demanding application requirements. We've incorporated the most user-friendly interface in the industry and a portable design for safe and easy testing.

#### Relevant Applications:

- Motors
- Switches and Controls
- Cable and Harness
- Aerospace

2205:



#### 2200 Series Features:



- Portable design
- User-friendly interface
- Automate with PLC control
- Remote Safety Interlock

# Model 2205 Specifications

## INPUT

Voltage	115 / 230 V selectable, $\pm 15\%$ variation
Frequency	50 / 60 Hz $\pm 5\%$
Fuse	1 Amp 250 VAC fast acting

## INSULATION RESISTANCE TEST

Output Voltage	Range:	30 - 1000 VDC		
	Resolution:	1 Volt		
	Accuracy:	$\pm (1\% \text{ of Setting} + 1 \text{ V})$ (relative to displayed output)		
	Ripple:	< 2%		
Voltage Display	Low Range:	0.0 V - 100.0 VDC		
	High Range:	101 V - 1000 VDC		
	Resolution:	0.1 V (low range), 1 V (high range)		
Resistance Display	Accuracy:	$\pm (2\% \text{ of reading} + 2 \text{ V})$		
	Range:	0.01 M $\Omega$ - 200.0 G $\Omega$ (4 digit, auto ranging)		
		30-499 VDC    500 – 1000 VDC		
	Resolution:	.001M $\Omega$ - .1M $\Omega$	0.1M $\Omega$ -1G $\Omega$	0.1M $\Omega$ -1G $\Omega$
		1 M $\Omega$ - .01G $\Omega$	1G $\Omega$ -20G $\Omega$	1G $\Omega$ -20G $\Omega$
		0.1G $\Omega$	20G $\Omega$ -200G $\Omega$	
	Accuracy:	30 - 499 V:		
	0.1M $\Omega$ -1G $\Omega$		$\pm (3\% \text{ of reading} + 2 \text{ counts})$	
	1-20G $\Omega$		$\pm (5\% \text{ of reading} + 2 \text{ counts})$	
	500 - 1000 V:			
0.1M $\Omega$ -1G $\Omega$		$\pm (2\% \text{ of reading} + 2 \text{ counts})$		
1-20G $\Omega$		$\pm (3\% \text{ of reading} + 2 \text{ counts})$		
20-200G $\Omega$		$\pm (10\% \text{ of reading} + 2 \text{ counts})$		
Timer Display	Range:	0.0 - 999.9 seconds		
	Resolution:	0.1 second		
	Accuracy:	$\pm (0.1\% \text{ of reading} + 0.05 \text{ seconds})$		
Failure Settings	Low Limit:	0.1 M $\Omega$ - 999.9 M $\Omega$		
		1000 M $\Omega$ - 9999 M $\Omega$		
		10.0 G $\Omega$ - 200.0 G $\Omega$		
Dwell Time Setting	1.0 - 999.9 seconds, 0.1 second / step "0" for continuous running			
Delay Time Setting	0.1 - 999.9 seconds, 0.1 second / step			
Discharge	Automatic Discharge of Device Under Test			
	Indicator: Green < 30 V, Red > 30 V			

## GENERAL SPECIFICATIONS

PLC Remote Control	Provided through 9 pin D type connector
	1. Inputs: test , reset, safety interlock 2. Outputs: pass, fail and test in progress
Line Cord	Detachable 6 ft. (1.8m) power cable terminated in a three prong grounding plug.
Terminations	High Voltage Output: Alden Socket
	Shielded Return: BNC Connector
Dimension (W x H x D)	4.75 x 5.25 x 11.75 (120mm x 133mm x 300mm)
Calibration	Software & adjustments made through front panel
Weight	11 lbs. (5 kg)

Specifications subject to change without notice.

## Supplied Accessories

102-045-901	IR Return Clip
102-055-913	High Voltage Clip (6 ft.)
125-013-001	Input Power Cable (6 ft.)
99-10040-01	Interlock
99-10258-01	Fuse



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