



2200 SERIES

INSULATION RESISTANCE TESTERS

PORTABLE DESIGN

SIMPLE MENU SYSTEM

AUTOMATE WITH PLC CONTROL

REMOTE SAFETY INTERLOCK

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 simplest menu system in the industry and a portable design for safe and easy testing.



Insulation
Resistance

2205

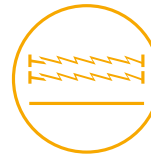
RELEVANT APPLICATIONS

- AEROSPACE
- CABLE AND HARNESS
- MOTORS
- SWITCHES AND CONTROLS

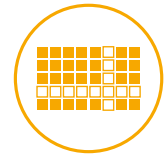
SUPPLIED ACCESSORIES

- 102-045-901 Return Clip w/ Black BNC Plug 6 ft. (1.8m)
- 102-055-913 High Voltage Lead 6 ft.
- 125-013-001 Input Power Cable USA
- 99-10040-01 Interlock Connector
- 99-10258-01 Fuse

SERIES FEATURES



Dwell



PLC Remote



On the Go
Portability



2200 SERIES SPECIFICATIONS

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

INSULATION RESISTANCE TEST MODE																											
Output Voltage	Range: 30 - 1000 VDC Resolution: 1 V Accuracy: $\pm (1\% \text{ of setting} + 1 \text{ V})$ (relative to displayed output) Ripple: $< 2\%$																										
Voltage Display	Low Range: 0 V - 100 V High Range: 101 V - 1000 VDC Resolution: 0.1 V (low range), 1 V (high range) Accuracy: $\pm (2\% \text{ of reading} + 2 \text{ V})$																										
Resistance Display	Range: 0.01 M Ω - 200.0 G Ω (4 digit, auto ranging) Resolution: <table border="1" style="margin-left: 20px;"> <tr> <td></td> <td>30-499 VDC</td> <td>500-1000 VDC</td> </tr> <tr> <td>.001 MΩ - .1 MΩ</td> <td>.1 MΩ - 1 GΩ</td> <td>.1 MΩ - 1 GΩ</td> </tr> <tr> <td>1 MΩ - .01 GΩ</td> <td>1 GΩ - 20 GΩ</td> <td>1 GΩ - 20 GΩ</td> </tr> <tr> <td>0.1 GΩ</td> <td></td> <td>20 GΩ - 200 GΩ</td> </tr> </table> Accuracy: <table border="1" style="margin-left: 20px;"> <tr> <td>30 - 499 V</td> <td></td> </tr> <tr> <td>0.1MΩ - 1GΩ</td> <td>$\pm (3\% \text{ of reading} + 2 \text{ counts})$</td> </tr> <tr> <td>1 - 20GΩ</td> <td>$\pm (5\% \text{ of reading} + 2 \text{ counts})$</td> </tr> <tr> <td>500 - 1000 V</td> <td></td> </tr> <tr> <td>0.1MΩ - 1GΩ</td> <td>$\pm (2\% \text{ of reading} + 2 \text{ counts})$</td> </tr> <tr> <td>1 - 20GΩ</td> <td>$\pm (3\% \text{ of reading} + 2 \text{ counts})$</td> </tr> <tr> <td>20 - 200GΩ</td> <td>$\pm (10\% \text{ of reading} + 2 \text{ counts})$</td> </tr> </table>		30-499 VDC	500-1000 VDC	.001 M Ω - .1 M Ω	.1 M Ω - 1 G Ω	.1 M Ω - 1 G Ω	1 M Ω - .01 G Ω	1 G Ω - 20 G Ω	1 G Ω - 20 G Ω	0.1 G Ω		20 G Ω - 200 G Ω	30 - 499 V		0.1M Ω - 1G Ω	$\pm (3\% \text{ of reading} + 2 \text{ counts})$	1 - 20G Ω	$\pm (5\% \text{ of reading} + 2 \text{ counts})$	500 - 1000 V		0.1M Ω - 1G Ω	$\pm (2\% \text{ of reading} + 2 \text{ counts})$	1 - 20G Ω	$\pm (3\% \text{ of reading} + 2 \text{ counts})$	20 - 200G Ω	$\pm (10\% \text{ of reading} + 2 \text{ counts})$
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Timer Display	Range: 0 - 999.99 seconds Resolution: 0.1 seconds Accuracy: $\pm (0.1\% \text{ of reading} + 0.05 \text{ seconds})$																										
Failure Settings	Low Limit: 0.1 M Ω - 999.9 M Ω 1000 M Ω - 9999.M Ω 10.0 G Ω - 200.00 G Ω																										
Dwell Timer	1.0 - 999.9 seconds, 0.1 seconds/step, (0=continuous)																										
Delay Timer	0.1 - 999.9 seconds, 0.1 seconds/step																										
Discharge	Automatic discharge of device under test Indicator: Green $< 30 \text{ V}$, Red $> 30 \text{ V}$																										

GENERAL SPECIFICATIONS	
Remote I/O	Provided through 9 pin D type connector 1. Inputs: Test, Reset, SafetyInterlock 2. Outputs: Pass, Fail and Test-in-Process
Calibration	Software & adjustments made through front panel
Line Cord	Detachable 6' (1.80 m) 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" (120 x 133 x 300 mm)
Weight	11 lbs. (5 kg)

Specifications subject to change without notice.

Why We Use Counts: Slaughter publishes some specifications using "counts" which allows us to provide a better indication of the tester's capabilities across measurement ranges. A "count" refers to the lowest resolution of the display for a given measurement range. For example, if the resolution for voltage is 1V then 2 counts = 2V.