

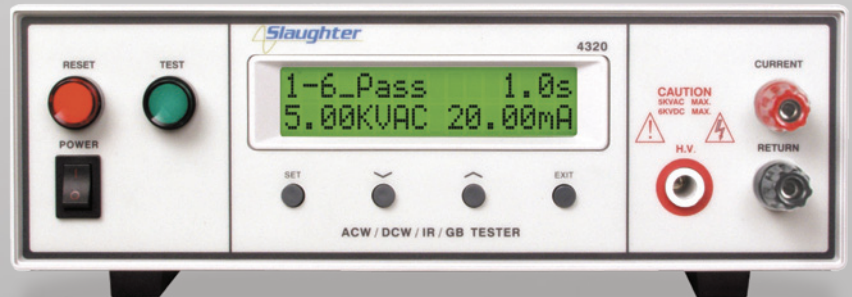
model no.
4320

4-IN-1 ELECTRICAL SAFETY TESTER

Model 4320 is a 4-in-1 Electrical Safety Tester designed to perform multiple tests using a single instrument. Equipped with the latest technology and features the 4320 is the right solution for a variety of electrical safety testing applications.

The 4320 performs the following tests:

- AC Hipot
- DC Hipot
- Insulation Resistance
- Ground Bond



- ▶ **Fully Adjustable Trip Ranges**
- ▶ **RS-232 Interface Option**
- ▶ **6 Memories, 6 Steps Per Memory**
- ▶ **Fully Adjustable Electronic Ramp & Dwell**
- ▶ **Milliohm Offset Capability**
- ▶ **Tamper Proof Front Panel Controls**

Slaughter®

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INPUT				
Voltage	115/230 VAC $\pm$ 10%, user selection			
Frequency	50/60 Hz $\pm$ 5%			
Fuse	6.3 A 250 V Slow-Blow			
DIELECTRIC WITHSTAND TEST MODE				
Output Rating	5 kV @ 20 mAAC			
	6 kV @ 5 mADC			
Voltage Setting	Range:	0.00 - 5.00 kVAC		
		0.00 - 6.00 kVDC		
	Resolution:	0.01 kV		
Voltage Display	Accuracy:	$\pm$ (2% of setting + 5 V)		
	Range:	0.00 - 5.00 kVAC		
		0.00 - 6.00 kVDC		
	Resolution:	0.01 kV		
Current Display	Accuracy:	$\pm$ (2% of reading + 10 V)		
	Range:	0.00 - 20.00 mAAC		
		0.00 - 5.00 mADC		
HI-Limit	Resolution:	0.01 mA		
	Accuracy:	$\pm$ (2% of reading + 0.02 mA)		
	Lo-Limit	Range:	0.00 - 20.00 mA	
		0.00 - 5.00 mA		
Resolution:		0.01 mA		
DC	Accuracy:	$\pm$ (2% of setting + 0.02 mA)		
Failure Detector	Audible and Visual			
DC Output Ripple	< 5% at 6 kVDC @ 5 mA, resistive load			
Discharge Time	$\leq$ 200 ms			
Max. Capacitive Load in DC Mode	1.00 μ F	< 1 kV	0.08 μ F	< 4 kV
	0.75 μ F	< 2 kV	0.04 μ F	< 5 kV
	0.50 μ F	< 3 kV	0.01 μ F	< 6 kV
AC Wave Form	Sine Wave, Crest Factor = 1.3 – 1.5			
AC Output Frequency	Range:	60 or 50 Hz, user selection		
Output Regulation	$\pm$ (1 % of setting + 5 V) from no load to full load			
Dwell Timer	Range:	0, 0.2 - 999.9 sec, (0 = continuous)		
	Resolution:	0.1 sec increments		
	Accuracy	$\pm$ (0.1% + 0.05 sec)		
Ramp Timer	Range:	0.1 – 999.9 sec,		
	Resolution:	0.1 sec increments		
	Accuracy	$\pm$ (0.1% + 0.05 sec)		

INSULATION RESISTANCE TEST MODE				
Output Voltage	Range:	100 - 1000 VDC		
	Resolution:	1 V		
	Accuracy:	± (2% of reading + 5 V)		
Voltage Display	Range:	0–1000 V		
	Resolution:	1 V		
	Accuracy:	± (2% of reading + 2 counts)		
Resistance Display	Range:	1–1000 MΩ (4 digit, auto ranging)		
	Resolution:		500 VDC	1000 VDC
		MΩ	MΩ	MΩ
		0.01	1.00–40.00	1.00–80.00
	0.1	35.0–999.9	75.0–999.9	
HI-Limit	Range:	0, 1–1000 MΩ (0 = off)		
LO-Limit	Range:	1–1000 MΩ		
Delay Timer	Range:	0, 0.5 - 999.9 sec (0 = constant)		
	Resolution:	0.1 sec		
	Accuracy:	± (0.1% + 0.05 sec)		
GROUND BOND TEST MODE				
Output Voltage	Range:	6 VAC fixed		
Output Frequency	Range:	60 or 50 Hz, user selectable		
Output Current	Range:	3.0–30.0 AAC		
	Resolution:	0.1 A		
	Accuracy :	± (2 % of setting + 0.02 A)		
Current Display	Range:	0.0–30.0 A		
	Resolution:	0.1 A		
	Accuracy:	± (3 % of reading + 0.1 A)		
HI-Limit Lo-Limit	Range:	0 – 510 mΩ for 3.0 – 10.0 A		
		0 – 200 mΩ for 10.1 – 25.0 A		
		0 – 150 mΩ for 25.1 – 30.0 A		
		Resolution:	1 mΩ	
	Accuracy:	± (2 % of setting + 2 mΩ)		
Dwell Timer	Range:	0, 0.5 - 999.9 sec (0 = constant)		
	Resolution:	0.1 sec		
	Accuracy:	± (0.1% + 0.05 sec)		
Milliohm Offset	Max. Offset Capability:	100 mΩ		
	Resolution:	1 mΩ		
	Accuracy:	± (2 % of setting + 2 mΩ)		
GENERAL SPECIFICATIONS				
PLC	Inputs – test, reset, interlock & recall memory 1–6			
Remote Control	Outputs – pass, fail, test-in-process			
Memory	Allows storage of up to 6 different test programs and 6 steps per memory and a single step mode			
Security	Lockout capability to avoid unauthorized access to test set-up programs			
Calibration	Software & adjustments made through front panel			
Mechanical	Bench or rack mount with tilt up front feet			
Dimension	(W x H X D) 11" x 3.5" x 17" (280 x 89 x 430 mm)			
Weight	33 lbs. (15 kg)			