

5320A-LOAD

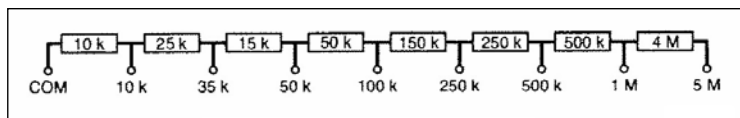
High Voltage Load Adapter

Technical Data



The 5320A-LOAD High Voltage Load Adapter is an accessory to the Fluke 5320A Multifunction Electrical Tester Calibrator. It loads a hipot tester to create the leakage current needed to perform hipot tester calibration with the Fluke 5320A Multifunction Electrical Tester Calibrator.

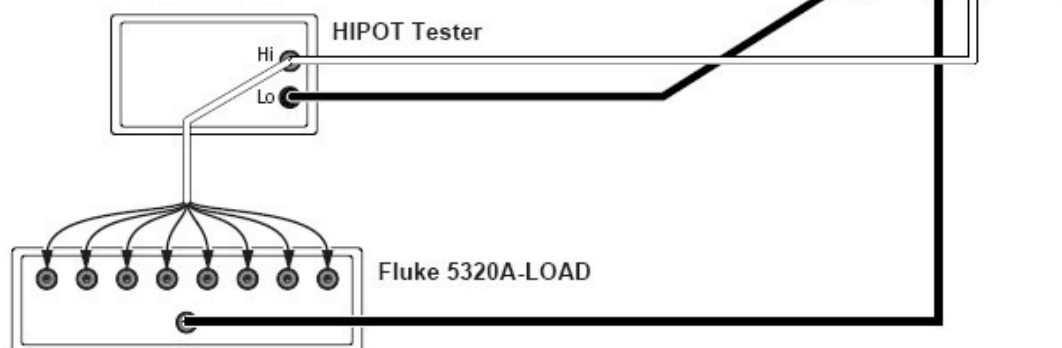
The 5320A-LOAD consists of a series of eight power-rated resistors configured to provide eight resistance taps from 10 k Ω to 5 M Ω . Used to provide a resistive load on the test signal generated by a hipot tester, the test voltage and the resulting current through the Load is tested and calibrated by the 5320A calibrator.



The 5320A LOAD consists of eight resistors as shown in this schematic drawing.

Because of the high voltages created by hipot testers, the 5320A-LOAD is designed to withstand a maximum voltage from 1.2 kV to 5.5 kV, depending on the selected resistor. During the hipot calibration test, the 5320A measures the actual test voltage and leakage current from the hipot tester. These measurements are used to verify/calibrate similar measurements made by the hipot tester being calibrated.

The 5320A-LOAD comes standard with a traceable calibration certificate including verification data. An optional 17025 accredited calibration certificate is available for an extra charge.



Normal hipot calibration connections



The design of the 5320A-LOAD allows it to be placed on top of or under the 5320A calibrator for convenient operation and a small footprint.

General specifications

Power supply voltage	AC adapter 100-240 V, output voltage 12 V @ 0.4 amps min.
Warm-up time	Not applicable
Specifications confidence level	99 %
Weight	850 g (1.9 lb), including standard accessories, volume approximately 600 cm ³
Temperature	
Operating Temperature	5 °C to 40 °C
Recommended Calibration Temperature (Tcal)	23 °C
Storage Temperature	-20 °C to +70 °C
Altitude, Maximum	
Operating	3,050 m (10,000 ft)
Storage	12,200 m (40,000 ft)
Dimensions	430 mm x 462 mm x 95 mm (16.9 in x 18.2 in x 3.7 in)
Weight (net)	3 kg (8 lb 4.5 oz)
Power Consumption	5 W maximum
Safety class	I according to EN 61010-1

Electrical specifications

Total resistance range	10 kΩ to 5 MΩ
Number of specific resistance values	8
Tolerance to Nominal Value	10 % (One year, Tcal ± 5 °C)

Maximum ratings

Nominal Value	Maximum Voltage	Maximum Dissipation Power	Maximum Time at Maximum Power
10 kΩ	1200 V	140 W	Limited to 3 minutes
35 kΩ	2000 V	110 W	Limited to 3 minutes
50 kΩ	2000 V	80 W	Limited to 3 minutes
100 kΩ	5500 V	300 W	Limited to 3 minutes
250 kΩ	5500 V	120 W	Limited to 3 minutes
500 kΩ	5500 V	60 W	No limit
1 MΩ	5500 V	30 W	No limit
5 MΩ	5500 V	5 W	No limit

Ordering information

Models

5320A-LOAD High Voltage Load Adapter. Includes adapter, power line adapter, grounding cable, and Instruction Sheet.

Accessories

8508A/CASE Rugged Transit Case

Accredited Calibration

2724154 Calibration, DKD Accredited

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