

5320A-LOAD

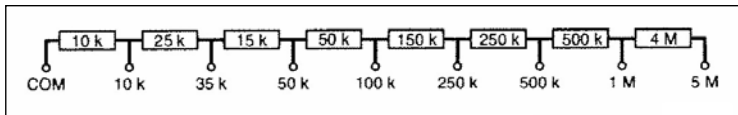
High Voltage Load Adapter

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.

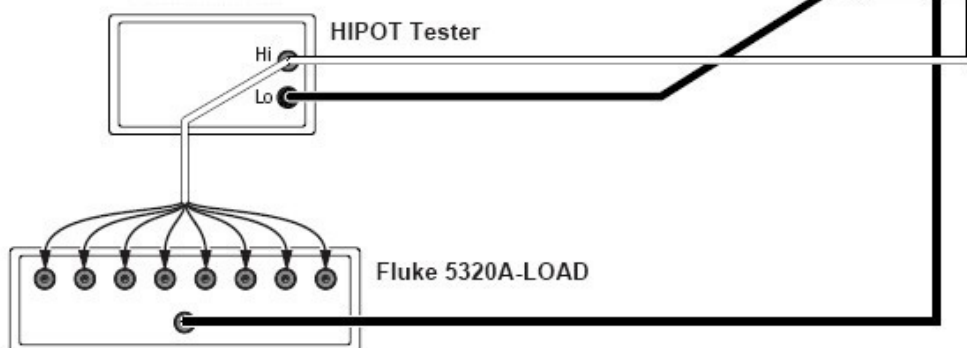
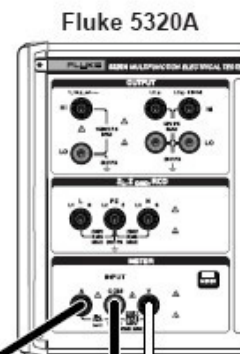
The 5320A-LOAD consists of a series of eight power-rated resistors configured to provide eight resistance taps from 10 kΩ to 5 MΩ. Used to provide a resistive load on the test signal generated by a hipot tester, the test voltage and the resulting current through the Load is tested and calibrated by the 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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4/2008 3315612 D-EN-N Rev A

Pub_ID: 11424-eng Rev 01