

# 5320A-LOAD

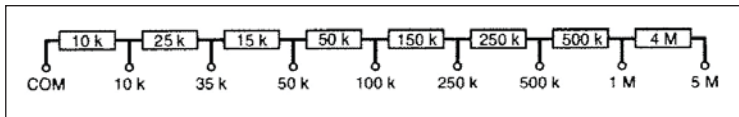
## High Voltage Load Adapter

## 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.

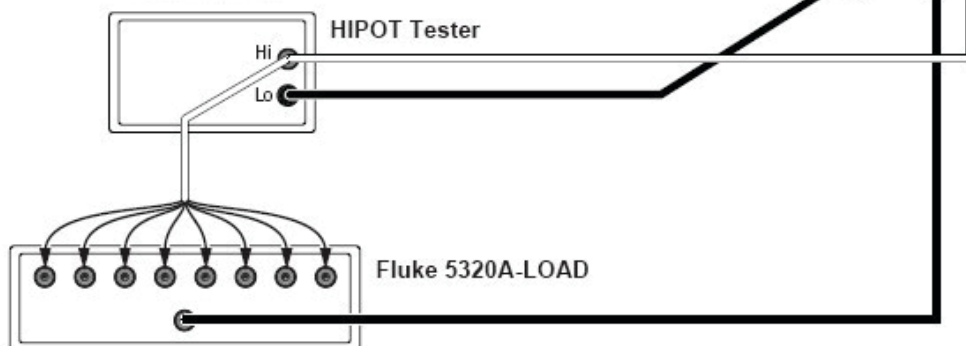
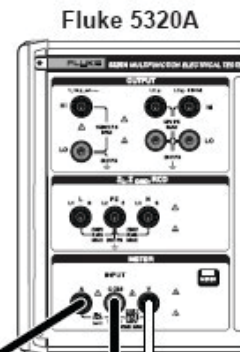
The 5320A-LOAD consists of a series of eight power-rated resistors configured to provide eight resistance taps from 10 k to 5 M. Used to provide a resistive load on the test signal generated by a hipot tester, the test voltage and the resulting current through the Load is tested and calibrated by the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

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

### Electrical specifications

<b>Total resistance range</b>	10 k to 5 M
<b>Number of specific resistance values</b>	8
<b>Tolerance to Nominal Value</b>	10 % (One year, Tcal ± 5 °C)

### Maximum ratings

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

**Fluke Calibration.** Precision, performance, confidence.™

Electrical	RF	Temperature	Pressure	Flow	Software
------------	----	-------------	----------	------	----------

### 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

**Fluke Calibration**  
PO Box 9090, Everett, WA 98206 U.S.A.

**Fluke Europe B.V.**  
PO Box 1186, 5602 BD Eindhoven, The Netherlands

**For more information call:**  
In the U.S.A. (800) 443-5853 or Fax (425) 446-5116  
In Europe/M-East/Africa +31 (0) 40 2675 200 or Fax +31 (0) 40 2675 222  
In Canada (800)-36-FLUKE or Fax (905) 890-6866  
From other countries +1 (425) 446-5500 or Fax +1 (425) 446-5116  
Web access: <http://www.flukecal.com>

©2008-2013 Fluke Calibration.  
Specifications subject to change without notice.  
Printed in U.S.A. 4/2013 3315612B\_EN

Pub\_ID: 11424-eng Rev 01

**Modification of this document is not permitted without written permission from Fluke Calibration.**