

HPRS-HIPOT-LOAD

The IET High Power Resistive Load can be used with the Fluke 5320A Multifunction Electrical Tester Calibrator or standalone. It provides a high power and high voltage load to the hipot tester to create the leakage current needed to calibrate various manufactures hipot testers.



HPRS-Hipot-Load High Power Resistive Load

- 8 Resistances from 10 kΩ to 5 MΩ standard
- Standard accuracy: ±10% at 23°C
- Power rating : up to 300 W at 100 kΩ
- Voltage rating: 1,400 to 5,500 V depending upon resistance value
- Continuous operation at rated power
- Kel-F washers on all terminals for low leakage current and high dielectric strength
- Special and custom configurations available

The HPRS-HIPOT-LOAD consist of a series of 8 resistances from 10 kΩ to 5 MΩ. The resistances are in series between the Lo and the 5 MΩ terminals with taps connected to the other resistance values.

The hipot tester is connected to the

various resistances during the calibration process. The voltage across the load and the current flowing through the load is measured. The measured voltage and current can then be compared with the displayed value from the hipot tester during calibration or as part of the adjustment procedure.

Specifications

Resistance	Maximum Peak Voltage	Max power (W)	Resistor Type
10 kΩ	1400 V	196 W	Tubular ceramic
35 kΩ	2000 V	110 W	
50 kΩ	2000 V	80 W	
100 kΩ	5500 V	300 W	
250 kΩ	5500 V	120 W	
500 kΩ	5500 V	60 W	
1 MΩ	5500 V	30 W	Thick film
5 MΩ	5500 V	5 W	

Adjustment to Nominal:

±10% at 23°C and 95% confidence level; traceable to SI

Terminals:

9 five-way binding posts with Kel-F washers and one ground post electrically connected to case.

Dimensions:

42.7 cm W x 12.4 cm H x 31.5 cm D (16.8" x 5.2" x 12.4")

Weight:

4.5 kg (10 lb), nominal

Ordering Information

Standard Unit:

HPRS-HIPOT-LOAD 8 Values from 10 kΩ to 5 MΩ

Options:

Custom values available

