



# 1066 High Power Resistance Load

*Time Electronics*

*Calibration, Test & Measurement*

- 0.05 ohm to 99.95 ohm
- 500W dissipation
- AC/DC 0 - 100KHz
- In-line readout
- Over-Temp indicator
- Over-Current cut out
- 5% accurate
- 1% load stability
- Fully screened
- 19" Rack mount option



## Introduction

The 1066 is a passive high power precision resistive load. It has a 3.5 decade setting resolution. The lowest dial allows 0.05 ohm steps. Accuracy is 5% and a 1% stability is maintained on load. Up to 500W can be dissipated for periods up to several minutes.

A flashing over-temp indicator lets the user know the allowed internal temperature has been exceeded.

The maximum allowable current is 40A, a front panel automatic cut-out switch is set to this value. Forced air cooling keeps the resistive elements cool.

## Ordering Information

Description	Order Code
High Power Resistance Load	<b>1066</b>
N.P.L. Traceable Calibration Certificate	<b>9161</b>
UKAS Calibration Certificate	<b>9114</b>
19" rack mount adapter kit	

## Specifications

<b>Resistance Range:</b>	0.05 ohm to 99.95 ohm
<b>No. of Decades:</b>	3
<b>Increment:</b>	0.05 ohm steps
<b>Accuracy:</b>	0.05 ohm decade $\pm 10\%$ 1 ohm decade $\pm 5\%$ 10 ohm decade $\pm 5\%$
<b>Power Rating:</b>	Each resistor is rated 100W 500W total for several mins Max current 40A
<b>Temp Coefficient:</b>	Less than 50 ppm per °C
<b>Maximum Voltage:</b>	250 V AC/DC
<b>Residual Resistance:</b>	Less than 20 milli ohm
<b>Variation:</b>	Less than 1 milli ohm
<b>Power:</b>	230V AC (+/-7%) 50/60Hz
<b>Dimensions:</b>	43cm x 25cm x 15cm (17" x 10" x 6")
<b>Weight:</b>	11Kg (15 lbs)
<b>Optional Extras:</b>	Calibration Certificates NPL traceable or UKAS 19" rack adapter kit

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