

# Rheostat

## Wire Wound, Rotary



**EM3081-001 100W 50 Ohm**

### Description:

The IEC **ROTARY RHEOSTAT** is a general purpose high power rotary rheostat mounted on a solid bench stand. IEC manufactures many different types of rotary rheostats from small 3 watt instrument types through to large 100 watt ceramic models.

### When Used as a Rheostat:

Although 3x connections are provided on the instrument, one end of the resistance winding is not used. The other two terminals are connected into a circuit and, by rotating the knob, the wiper moves over the winding and the resistance of winding can be changed from zero ohms up to the maximum resistance of approximately 50 ohms.

### When Used as a Potentiometer:

Three terminals are provided on the instrument so that it may be connected as a potentiometer. A voltage may be connected across the whole winding and a proportion of that voltage from zero to maximum may be 'tapped off' as required by rotating the knob

Length: 195mm	Width: 72mm	Height: 60mm	Weight:350g
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### Care To Be Taken:

Supervision is required when using this instrument. When operating around its maximum rating, this device can become very hot because it must dissipate around 100 watts of heat. The winding at the rear of the instrument is not covered. This permits inspection of the construction and operation, but be very careful not to touch the resistance winding which might be very hot and might have high voltages applied.

### Specifications:

Resistance of the winding: approx. 50 Ohms

Maximum voltage to be applied across the winding: 70 Volts.

Maximum current to pass through the winding: 1.4 Amps

Maximum power dissipation of the instrument: 100 watts.

Connection terminals: 3 x IEC type, 4mm socket head, spin free design.

Designed and Manufactured in Australia