

# RM6

## WIDE RANGE, COMPACT & VERSATILE 6 DECADE RESISTANCE BOX WITH DOUBLE POLE SWITCHING

This small, cost effective decade box further enhances our comprehensive range, offering excellent value for money. This 6 decade model has a total resistance of 11.1111 Mega ohm with a resolution of 10 ohm. The accuracy of  $\pm 1\%$  is achieved using metal film resistors which have a power rating of 0.4 Watt, the maximum specified voltage is 250V. Designed for durability the case is hardwood with an anodised aluminium top panel which is clearly marked with the switch position numbers and the decade values. The size is only 287 x 65 x 65 mm. The RM6 is a valuable addition to any workshop or laboratory offering a wide range of values with minimum cost.

KEY FEATURE	RM6
6 decades	■
Range 10 ohm to 10 Mega ohm	■
Accuracy 1%	■
Low cost	■

### RM6 SPECIFICATIONS

Decade	Accuracy	Maximum Current
10 x 10 $\Omega$	$\pm 1\%$	100mA
10 x 100 $\Omega$	$\pm 1\%$	30mA
10 x 1k $\Omega$	$\pm 1\%$	18mA
10 x 10k $\Omega$	$\pm 1\%$	5mA
10 x 100k $\Omega$	$\pm 1\%$	1.8mA
10 x 1M $\Omega$	$\pm 1\%$	0.5mA

#### Terminals

2 binding posts will accept 4mm banana plugs and spade tags.  
1 terminal for connection to panel/earth

#### Dimensions

287mm x 65mm x 65mm (W H D) approx

#### Mass

0.48kg

#### Resistors

Metal film 0.4 W at 70°C

Temperature coefficient  $\pm 100$  p.p.m. / °C

#### Switches

Silver plated brass contact resistance = 10Mohm,  
positive click mechanism  
Insulation Resistance >50,000Mohm

#### Residual Resistance

< 0.1  $\Omega$

#### Case

Wood with anodised aluminium top panel



# RM6N

## SPACE SAVING, COMPACT & VERSATILE 6 DECADE RESISTANCE BOX WITH WIDE RANGE

KEY FEATURE	RM6N
6 decades	■
Range 10 ohm to 10 Mega ohm	■
Accuracy 1%	■
Low cost	■

The RM6-N is a space saving 6 decade resistance box, 3 models are available covering the range 1 ohm to 111,111 Mega ohm. An additional 1 kilo ohm resistor is available at the terminals enabling the user to make a simple divider. The RM6-N incorporates 0.6 watt resistors with a specified accuracy of  $\pm 1\%$ . The maximum permissible voltage is 250 V dc. Designed for durability and ease of maintenance, the case is high impact polystyrene and the size is only 190 x 140 x 70 mm. The RM6-N's constitute an ideal tool for use in all electrical and electronic laboratories or workshop environments offering a wide range of values with minimum cost.

### RM6N SPECIFICATIONS

Decade	Accuracy	Maximum Current	RM6-N	RM6-N2	RM6-N3
10 x 1 $\Omega$	$\pm 1\%$	250mA		■	
10 x 10 $\Omega$	$\pm 1\%$	250mA	■	■	
10 x 100 $\Omega$	$\pm 1\%$	75mA	■	■	■
10 x 1k $\Omega$	$\pm 1\%$	25mA	■	■	■
10 x 10k $\Omega$	$\pm 1\%$	7.5mA	■	■	■
10 x 100k $\Omega$	$\pm 1\%$	3.5mA	■	■	■
10 x 1M $\Omega$	$\pm 1\%$	0.5mA	■		■
10 x 10M $\Omega$	$\pm 1\%$	0.18mA			■

#### Dimensions

190mm x 140mm x 70mm (W H D) approx

#### Mass

0.49kg

#### Resistors

Metal film 0.6W at 70 °C

Temperature coefficient  $\pm 100$  p.p.m. / °C

#### Switches

Silver plated brass Contact resistance = 10 milli ohm, positive click mechanism. Insulation Resistance >50,000 Mega ohms

#### Residual Resistance

< 0.1  $\Omega$

#### Case

High impact polystyrene

