

# CM5-N

## 5 DECADE CAPACITANCE COMPENSATION BOX TO COMPLIMENT THE RM6-N

A five decade capacitance box to compliment the RM6-N range of resistance decades. Styled in the same ergonomic desk case, the CM5-N is a useful addition to any laboratory, as well as for industrial and educational use. The required capacitance is set by means of rotary switches with skirted knobs and stators giving a clear indication of the dial setting. The capacitors are a combination of polycarbonate and polystyrene, generously rated minimum 160 Vdc with a good dissipation factor and high insulation. A useful feature of this unit is the residual capacitance being compensated for on the 10 x 100pF and 10 x 1nF dials so that the actual value of the dial setting appears at the terminals.

### KEY FEATURE

5 decades

Range 100 pF to 11.111 uF

Accuracy 5%

Residual capacitance 30 pF at zero setting

Residual capacitance compensation

### CM5-N



## CM5-N SPECIFICATIONS

Decades	Accuracy
10 x 100pF	± 5%
10 x 1nF	± 5%
10 x 10nF	± 5%
10 x 100nF	± 5%
10 x 1mF	± 5%

### Dimensions

330mm x 240mm x 200mm (W H D) approx

### Mass

6.5kg

### Resistors

Metal film 0.6 ohm at 70 °C

Temperature coefficient ±100 p.p.m. / °C

### Switches

Contact material silver plated brass. Contact resistance = 10 milli ohm with positive click mechanism. Insulation Resistance = 50,000 Mega ohm

### Resistance

**Temperature Co-efficient:** ±3ppm / +20°C to +85°C ±5ppm max over -55°C to + 125°C 0.1, 0.01, & 0.001 dials 10ppm/°C

**Full Load Stability:** ±35ppm/10,000 hours  
±50ppm/26,000 hours

**No Load Stability:** ±25ppm/10,000 hours  
±35ppm/26,000 hours

Over full temperature range; -50°C to +125°C

**Power Rating:** 0.33 watt (+85°C) 0.25 watt (+110°C)**Maximum Continuous Working Voltage:**

Up to 250 V dc

**Noise:** Essentially non-measurable <1.5 mV/°C**Thermal E.M.F.:** <0.4mV/°C typical**Encapsulation:** Moulded epoxy

**Windings:** Exclusive 'air cushioned' technique provides virtually stressless elements for improved performance. Non inductively wound. Direction of winding reversed at half turns point


**CROPICO**

Shanghai Beihan Electronics Co.,Ltd.

Tel: 86(0)21 63340254 / 63340274 Fax: 86(0)21 63340789

Web: [www.beha.com.cn](http://www.beha.com.cn)Email: [info@beha.com.cn](mailto:info@beha.com.cn)