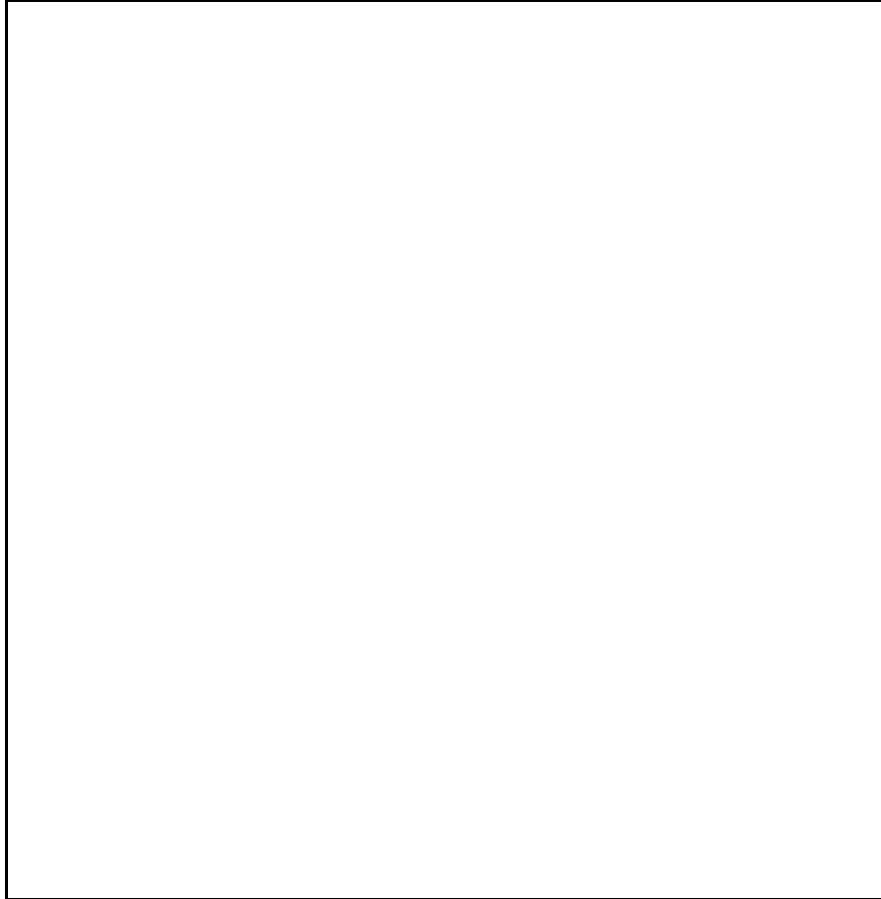


# CAPACITANCE DECADE BOX



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## 1. FEATURES

- \* Applications :

- General applications*
  - Troubleshooting, maintenance*
  - Education and Vocational training*
  - Production line testing*
  - Radio and TV services*
  - Working standards*
  - Research design & develop*
  - Physics laboratory work*

- \* Pocket size, offering accurate, reliable performance.
- \* 100 pF to 11,111 uF, wide range and high resolution ( 100 pF per step ), practical and versatile tools.
- \* With five decades of capacitance.
- \* Slide switches that allow the user to simply add or subtract for desired value.
- \* Terminals with multi way binding posts, one to switch shield case.
- \* ABS plastic housing case, rugged components.

## 2. SPECIFICATIONS

Range	100 pF to 11,111 uF ( 100 pF per step )
Accuracy	5% capacitors used throughout. @ < 1 uF, 1 KHz test frequency @ >= 1 uF, 100 Hz test frequency
Voltage	50 V DC, non-polarized capacitors.
Internal Residual Capacitance	50 pF max.
Power Supply	None.
Operating Temperature	0 to 50 degree C (32 to 122 degree F).
Operating Humidity	Less than 80% RH.
Weight	312 g/0.69 lb.
Dimension	14.7 cm x 11.7 cm x 51 cm. ( 5.79 x 4.61 x 2.01 inch ).
Accessories	Operation Manual..... 1 PC.

### 3. FRONT PANEL DESCRIPTION

Fig. 1

- 3-1 Range Select Switch
- 3-2 Capacitance Output Terminal
- 3-3 Ground Terminal

#### 4. TESTING PROCEDURE

- 1) Start with all switches up ( OUT ) for min. capacitance.
- 2) Switch down ( IN ) to add Capacitance value.
- 3) The " Ground Terminal " ( 3-3, Fig. 1 ) is connected to the metal enclosure of all switches For some special application may connect the " Ground Terminal " ( 3-3, Fig. 1 ) to the external equipment to prevent other environment interference.



**WARNING !!!**

- \* Do not add the Voltage more than 50 V DC to the " Output Capacitor Terminals " ( 3-2, Fig. 1 ).