



CH-16 precision decade standard capacitance box

- CH-16 precision decade capacitance box adopts four-terminal output mode, and realizes wide capacitance range of $1\text{pF} \sim 1.111110\mu\text{F}$ with six-digit decade changeover switch. Any of the decade readings within the wide range has the equal high capacitance accuracy and stability ($\pm 0.03\%$). The capacitor box has excellent shielding, and negligible zero-switch capacitance ($< 0.00001\text{pF}$), which is superior to the similar products available on market. The reading value of the capacitance is free from the influence of zero-switch capacitance. It's not needed to deduct the zero-switch capacitance from the reading value.
- This capacitance box is suitable for verification of RLC measuring instruments, fuel measuring instruments, cable coupling capacitance measuring instruments, and etc. It can be used as standard capacitance measuring instrument in measurement technology institutes, research institutes, factories, universities, and etc.

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Description

Operation conditions

Ambient temperature: $(23 \pm 2) ^\circ\text{C}$

Relative humidity: $(50 \pm 10) \%$

Main technical parameters

1. Capacitance range:

$0 \sim 1.111110 \mu\text{F}$

2. Minimum step size:

1 pF

3. Digits of reading:

Six-digit decimal system

4. Zero-switch capacitance:

$< 0.00001 \text{ pF}$

5. Error:

$\pm 0.03 \%$

6. Loss tangent (D):

$\leq 5 \times 10^{-4}$

7. Output mode:

Four-terminal BNC output

8. Calibration frequency/operating frequency (f):

$1,000 \text{ Hz}$

9. Maximum operating voltage (U):

$\leq 100 \text{ V}$

10. Dimension:

