



ZK-2717 precision standard inductance box

- ZK-2717 precision inductance box has 1x and 5x alternating step sizes in inductance change and is an ideal standard inductance measuring instrument with a wide inductance range, high performance, good stability, small volume and light weight. It is suitable for measurement laboratories, research institutions, production, and particularly suitable for field calibration/verification of RLC measuring instruments and special inductance measuring instruments in factories, and has the following main features:
- 1.This inductance box is first time to combines network simulated inductor with toridal-core inductor. It has high accuracy, small volume, and light weight;
- 2.It has excellent electromagnetic shielding, vibration prevention and moisture proofing technique to provide extreme stable performance;
- 3.This inductance box is first time to combines network simulated inductor with toridal-core inductor. It has high accuracy, small volume, and light weight.





Description

Operation conditions

Ambient temperature: (23 ± 2) °C

Relative humidity: (50 ± 10) %

Main technical parameters

1. Inductance range:

1 μ H, 5 μ H, 10 μ H, 50 μ H, 100 μ H, 500 μ H,
1mH, 5mH, 10mH, 50mH, 100mH, 500mH,
1H, 5H, 10H, 50 H, 100H, 500H,

2. Zero-switch inductance:

<0.8 μ H

3. Error:

1 μ H ~ 1H: $\pm (0.05\% + 0.05\mu\text{H})$
5H ~ 500H: $\pm 0.2\%$

4. Output mode:

Three-terminal binding post output or Four-terminal-pair BNC output

5. Calibration frequency/operating frequency (f):

1 μ H ~ 1H: 1000Hz
5H ~ 500H: 100Hz

6. Maximum operating voltage (U):

$\leq 50\text{V}$

