



ZK-2718A precision standard inductance box

- ZK-2718A precision inductance box has 1, 2, and 5 alternating step sizes in inductance change and is currently 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 toroidal-core inductor. It has high accuracy, small volume, light weight;
- 2.It has excellent electromagnetic shielding, vibration prevention and moisture proofing technique to provide extreme stable performance;
- 3.The inductance range, calibration frequency and other special requirements can be customized according to user's requirements;





Description

Operation conditions

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

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

Main technical parameters

1. Inductance range:

1 μH , 2 μH , 5 μH , 10 μH , 20 μH , 50 μH , 100 μH , 200 μH , 500 μH , 1mH, 2mH, 5mH, 10mH, 20mH, 50mH, 100mH, 200mH, 500mH, 1000mH, 1H, 2H, 5H, 10H, 20H, 50H, 100H, 200H, 500H

2. Zero-switch inductance:

$< 0.8\mu\text{H}$

3. Error:

1 μH ~ 1000mH $\pm (0.02\% + 0.05\mu\text{H})$

1H ~ 500H $\pm 0.05\%$

4. Output mode:

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

5. Calibration frequency/operating frequency (f):

1 μH ~ 1000mH: 1,000Hz

1H ~ 500H: 100Hz

6. Maximum operating voltage (U):

$\leq 50\text{V}$

