



## 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 stabile performance;
- 3.This inductance boxis 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:  $(23 \pm 2) ^\circ\text{C}$

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

## Main technical parameters

### 1. Inductance range:

1 $\mu\text{H}$ , 5 $\mu\text{H}$ , 10 $\mu\text{H}$ , 50 $\mu\text{H}$ , 100 $\mu\text{H}$ , 500 $\mu\text{H}$ ,  
1mH, 5mH, 10mH, 50mH, 100mH, 500mH,  
1H, 5H, 10H, 50 H, 100H, 500H,

### 2. Zero-switch inductance:

<0.8 $\mu\text{H}$

### 3. Error:

1 $\mu\text{H}$  ~ 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 $\mu\text{H}$  ~ 1H: 1000Hz  
5H ~ 500H: 100Hz

### 6. Maximum operating voltage (U):

$\leq 50\text{V}$

