

High Voltage Test Probe For Oscilloscope

UT-P21



INSTRUCTION MANUAL

(1) Specification

Maximum Test Voltage	DC: 0~15KV AC: ≤10KV rms ⚠ Noted Please refer to (4) Matters Needing Attention	
Signal	DC ≥60dB(1KHz), ≥50dB(1MHz)	
Bandwidth	DC~50MHz (-3dB)	
Attenuation Ratio	1:1000	
Rising Time	≤7ns	
Input Impedance	100MΩ±1%	
Input Capacitance	3.0PF±0.5PF	
Capacitive Compensation	5PF~50PF	
Cable Length	2.0meter (±0.2M)	
Temperature Coefficient	≤200PPM/°C	
Accuracy	DC	±2% (DC to 10KV) ±3% (above 10KV)
	AC	±3% (1KHz/1KV) -3dB 50MHz
Certification	CE	
Operating Environmental Temperature	0~50°C	
Storage Environmental Temperature	-20~+70°C	
Weight/Size	250g/Φ75×340 mm	

(2) Safety Instruction

This product is only for trained personnel or qualified engineer to use.

1. Do not work alone when operating high voltage test.
2. Check the test probe and cable is in good condition before use.

3. Keep your hands, shoes and floor stay dry to avoid electric shock.
4. Before connecting, disable the high voltage power supply. If you want to stop using, please turn off the power firstly.

(3) Operational Approach

1. Please connect the ground wire to a well ground point.
2. Connect the BNC probe to the input end of the oscilloscope.
3. Set the demand position of the oscilloscope.

⚠ Noted! Do not turn on the high voltage power supply until the above connection is completed.

4. Turn on the oscilloscope to wait the condition is stable, and then to connect the test point and enable the high voltage power supply.

(4) Matters Needing Attention

1. Do not measure the grounding cable before it is properly connected.
2. Under no circumstances shall the ground cable connected to a high-voltage power supply or the tip of the test probe be grounded.
3. Before turning on the high voltage power supply, make sure that no part of your body is in contact with the high voltage.
4. When measuring DC10KV or AC7KV, do not continue testing for more than 1 minute in order to avoid overheating and affect the accuracy of measurement. During this period, wait for cooling for about 5 minutes to continue measuring.
5. Before removing grounding, make sure the tip of the test prod is away from the high voltage supply.

(5) Clean

1. When cleaning the product, wipe it with a soft wet cloth. Do not immerse the product in water.