Warning

When making measurements, personal safety is very important. Make sure that you understand the capabilities and limitations of probes to prolong their use-life.

Please note

1. Do not operate in wet/damp conditions.
2. Do not operate in an explosive atmosphere.
3. Do not operate with suspected failures.
4. Do not immerse probes in liquids.
5. Keep probe surfaces clean and dry.
6. Connect and disconnect probes properly.

Product List

① Probe – 1 pc

② Accessory – 1 pc ③ Regulating rod– 1 pc

④ Ground wire – 1 pc ⑤ Insulated cap –1 pc

⑥ Instruction – 1 copy

Notice

All the specifications are subject to change without notice.

Instructions

☐ P2301B 300MHz

☐ P2501B 500MHz

10×Passive Probe

☐ P2301C 300MHz

☐ P2501C 500MHz

100×Passive Probe

CE

Operating Instruction

These passive high impedance probes are designed and calibrated for use on any oscilloscope that has an input impedance of 1 MΩ and whose input capacity is within the compensation range (refer to the specifications). When connecting the probe, please connect it to the oscilloscope before testing signals. When disconnecting the probe, first disconnect the probe tip from the test signal. In the process of test, make sure that alligator clip can be grounded reliably.

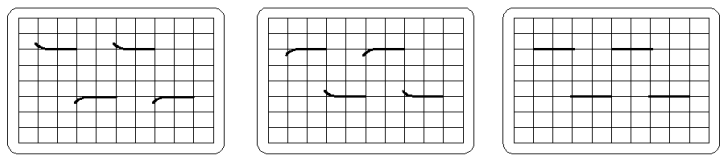
Specifications

Model	P2301B	P2501B	P2301C	P2501C
Attenuation Ratio	×10		×100	
Input Resistance(MΩ)	10		100	
Input Capacitance(pF)	16		6.5	
Compensation Range(pF)	10–30		10-20	
Bandwidth(MHz)	300	500	300	500
Risetime(ns)	1.15	0.7	1.15	0.7
Working Voltage(V_{P-P})	1000		5000	
Net Weight(g)	77.5			
Cable Length(cm)	130			
Operating Temp.(℃)	- 10-- + 50			
Non-operating Temp.(℃)	- 20-- + 75			
Humidity	≤85％ Relative Humidity			

Low-frequency Compensation Adjustment

Low frequency response can be matched to the oscilloscope by adjusting the compensation trimmer on the head of the probe.

1. Connect the probe to the oscilloscope and to a 1KHz square waveform source.
2. Let the oscilloscope display a stable waveform。
3. Carefully adjust the trimmer tool to obtain the flattest tops to the square waves displayed on the oscilloscope.



INCORRECT INCORRECT CORRECT

Maximum Working Voltage Derating Curve (VDC+VACp-p)