

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.

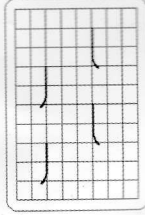
Specifications

Model	P5100	P5101	P5102	P5104
Attenuation Ratio	x100	x1000		
Input Resistance(MΩ)	20	100		
Input Capacitance(pF)	1	5		
Compensation Range(pF)	10-30			
Bandwidth(MHz)	100	50		
Risetime(ns)	3.5	7		
Working Voltage(KV _{P-P})	4	10	20	40
Net Weight(g)	87	700		
Cable Length(cm)	110	200		
Operating Temp.(°C)	- 10-- + 50			
Non-operating Temp.(°C)	- 20-- + 75			
Humidity	≤ 85% Relative Humidity			

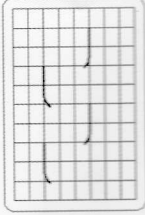
Low-frequency Compensation Adjustment

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

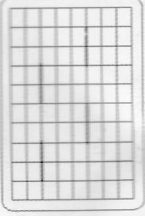
1. Connect the probe to the oscilloscope and to a 1KHz square waveform source.
2. Let the oscilloscope display a stable waveform.
3. Carefully adjust the trimmer tool to obtain the flattest tops to the square waves displayed on the oscilloscope.



INCORRECT



INCORRECT



CORRECT

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

