

SI-9001 Specifications

Bandwidth	DC to 25MHz (-3dB)
Attenuation Ratio	1:10/100
Accuracy	±2%
Rise Time	14ns
Input Impedance	4MΩ//5.5pF each side to ground
Input Voltage	
-Category	CAT III
-Differential Range	±70V(DC+AC Peak) and 70Vrms @1/10 ±700V(DC+AC Peak) and 700Vrms @1/100
- Common Mode Range	±700V(DC+AC Peak) and 700Vrms @1/10 & 1/100
- Absolute Max. Voltage (Differential or Common Mode)	±1400V(DC+AC Peak) and 1000Vrms @1/10 & 1/100
Output Voltage	
- Swing	±7V (into 50kΩ load)
- Offset (typical)	<±5mV
- Noise (typical)	0.7mVrms
- Source Impedance (typical)	50Ω (for using 1MΩ input system oscilloscope)
CMRR (typical)	-86dB @50Hz, -66dB @20kHz
Ambient Operating Temperature	-10 to 40°C
Ambient Storage Temperature	-30 to 70°C
Ambient Operating Humidity	Up to 85% RH
Ambient Storage Humidity	Up to 85% RH
Power Requirements*	
- Standard	4xAA cells
- Options	Power leads, Mains adaptor* (6VDC/60mA or regulated 9VDC/40mA), USB power cord
Length of BNC Cable	95cm
Length of Input Leads	45cm
Weight	400gms (probe and PVC jacket)
Dimensions (LxWxH)	170mm x 63mm x 21mm

- * a. The supplied voltage must be less than 12V and greater than 4.4V, otherwise the probe could be damaged or can't be operated properly.
- b. polarity is “+” inside and “-” outside. For wrong polarity, built-in circuit protects the probe, no danger or damage will occur.
- c. When the voltage of the cells become too low, the power indicator on the panel will flicker.