

SI-9010A Specifications

Bandwidth	DC to 70MHz (-3dB)
Attenuation	1:100/1000
Accuracy	±2%
Rise Time	<5ns.
Input Impedance	50MΩ//10pF each side to ground
Input Voltage	
- Category	CAT I
- Differential Range*	±700V(DC+AC Peak) and 500Vrms @ 1/100 ±7000V(DC+AC Peak) and 5000Vrms @ 1/1000
- Common Mode Range*	±7000V(DC+AC Peak) and 5000Vrms @ 1/100 & 1/1000
- Absolute Max. Voltage*	±7000V(DC+AC Peak) and 5000Vrms @ 1/100 & 1/1000 in common mode ±7000V(DC+AC Peak) and 5000Vrms @ 1/100 & 1/1000 in differential mode
Output Voltage	
- Swing (into 50kΩ load)	±7V
- Offset (typical)	<±5mV
- Noise (typical)	0.9mVrms
- Source Impedance (typical)	50Ω (for using 1MΩ input system oscilloscope)
CMRR (typical)	-80dB@50Hz, -60dB@20kHz
Ambient Operating Temperature	-10 to 40°C
Ambient Storage Temperature	-30 to 70°C
Ambient Operating Humidity	25 to 85% RH
Ambient Storage Humidity	25 to 85% RH
Power Requirements	
- Standard	4xAA cells or 6VDC/200mA mains adaptor** or regulated 9VDC/120mA mains adaptor**
- Options	Power leads
Length of BNC Cable	90cm
Length of Input Leads	60cm
Weight	500g
Dimension (LxWxH)	202mmx83mmx38mm

* Voltage limit is the lesser of the DC+AC Peak and RMS values.

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