

## SI-9010 Specifications

Bandwidth	DC to 70MHz (-3dB)
Attenuation	1:100/1000
Accuracy	$\pm 2\%$
Rise Time	<5ns
Input Impedance	10M $\Omega$ /10pF each side to ground
Input Voltage	
- Category	CAT I
- Differential Range	$\pm 700\text{V}$ (DC+AC Peak) and 500Vrms @ 1/100 $\pm 7000\text{V}$ (DC+AC Peak) and 5000Vrms @ 1/1000
- Common Mode Range	$\pm 7000\text{V}$ (DC+AC Peak) and 2500Vrms @ 1/100 & 1/1000
- Absolute Max. Voltage	$\pm 7000\text{V}$ (DC+AC Peak) and 2500Vrms @ 1/100 & 1/1000 in common mode $\pm 7000\text{V}$ (DC+AC Peak) and 5000Vrms @ 1/100 & 1/1000 in differential mode
Output Voltage	
- Swing	$\pm 7\text{V}$ (into 50k $\Omega$ load)
- Offset (typical)	< $\pm 5\text{mV}$
- Noise (typical)	0.9mVrms
- Source Impedance (typical)	50 $\Omega$ (for using 1M $\Omega$ 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
- Options	Power leads, Mains adaptor* (6VDC/200mA or regulated 9VDC/120mA), USB power cord
Length of BNC Cable	90cm
Length of Input Leads	60cm
Weight	500g
Dimension (LxWxH)	202mmx83mmx38mm

- \* a. The supplied voltage must be less than 12V and greater than 4.4V, otherwise the probe could be damaged or can't 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.