

# SI-9101 Specifications

Bandwidth	DC to 100MHz (-3dB)
Attenuation	1:10/100
Accuracy	±2%
Rise Time	3.5ns
Input Impedance	4M $\Omega$ //7pF 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)	±1000V (DC + AC Peak) and 1000Vrms @1/10 & 1/100
Output Voltage	
- Swing (into 50k $\Omega$ load)	±7V (into 50k $\Omega$ load)
- Offset (typical)	<±5mV
- Noise (typical)	0.9mVrms
- Source Impedance (typical)	50 $\Omega$ (for using 1M $\Omega$ input system oscilloscope)
CMRR (typical)	-85dB@50Hz; -55dB@1MHz
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 or 6VDC/200mA mains adaptor** or regulated 9VDC/120mA mains adaptor**
- Options	Power leads
Length of BNC Cable	90cm
Length of Input Leads	30cm
Weight	500g
Dimension (LxWxH)	202mmx83mmx38mm

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

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