

# SI-50 Specifications

Bandwidth	DC to 50MHz (-3dB)
Attenuation	1/10
Accuracy	±1%
Rise Time	<7ns
Input Impedance	1.6MΩ//7pF each side ground
Input Voltage*	
- Category	CAT II
- Differential Range	±70V(DC+AC Peak)
- Common Mode Range	±700V(DC+AC Peak) and 600Vrms
- Absolute Max. Voltage (either input to ground)	±700V(DC+AC Peak) and 600Vrms
Output	
- Swing (into 5kΩ load)	±7V
- Offset (typical)	<±2mV
- Noise (typical)	0.7mVrms
- Source Impedance (typical)	50Ω
CMRR (typical)	-95dB @60Hz, -60dB @1MHZ
Power Requirements**	Mains adaptor (6VDC/90mA or 9VDC/70mA)
(Three options of power sources)	Removable battery pack (4xAA cells)
	Power leads
Optional Extension plugs for mains adaptor	
- Input	One jack of 1A current rating.
- Output	Three plugs of 1A current rating.
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
Length of BNC Cable	125cm
Length of Input Leads	50cm
Weight	300gms
Dimensions (LxWxH)	111mm x 22mm x 14mm

## Notes:

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

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- The supplied voltage must be less than 16V and greater than 3.3V, otherwise the probe could be damaged or can't be operated properly.
  - For wrong polarity of power sources, a built-in circuit will protect the probe and no danger or damage will occur.
  - When the voltage of the cells become too low, the power indicator on the panel will dim and then distinguish.