

# SI-9001

## Differential Probes



**敏盛企業有限公司**

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<b>Features:</b> <ul style="list-style-type: none"> <li>· Up to +/- 1400V(DC+Peak AC) Differential and common Mode</li> <li>· Safety Certified</li> <li>· Economical Cost</li> </ul>	<b>Applications:</b> <ul style="list-style-type: none"> <li>· Switching Power Supply Design</li> <li>· Motor Drive Design</li> <li>· Electronic Ballast Design</li> <li>· CRT Display Design</li> </ul>
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### Specifications

Bandwidth	DC to 25MHz (-3dB)
Attenuation Ratio	1:10/100
Accuracy	+/- 2%
Rise Time	14ns
Input Impedance	4Mohm//5.5pF each side to ground
<b>Input Voltage</b>	
-Differential Range	+/- 70V(DC+Peak AC) or 70Vrms @ 1/10 +/-700V(DC+Peak AC) or 700Vrms @1/100
-Common Mode Range	+/-700V(DC+Peak AC) or 700Vrms @1/10 & 1/100
-Absolute Max. Voltage (Differential or Common Mode)	+/-1400V(DC+Peak AC) or 1000Vrms CAT III @1/10 & 1/100
<b>Output Voltage</b>	
- Swing	+/-7V (into 50kohm load)
-Offset (typical)	<+/-5mV
-Noise (typical)	0.7mVrms
-Source Impedance (typical)	50 ohm (for using 1Mohm input system oscilloscope)
CMRR (typical)	-86dB @50Hz, -66dB @20kHz
Ambient Operating Temperature	-10 to 40 degree centigrade
Ambient Storage Temperature	-30 to 70 degree centigrade
Ambient Operating Humidity	25 to 85% RH
Ambient Storage Humidity	25 to 85% RH
<b>Power Requirements*</b>	
-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)
Dimension(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.