

# SI-9010 Specifications

|                               |  |
|-------------------------------|--|
| Bandwidth                     | DC to 70MHz (-3dB)   |
| Attenuation                   | 1:100/1000   |
| Accuracy                      | ±2%  |
| Rise Time                     | <5ns   |
| Input Impedance               | 10MΩ//10pF each side to ground   |
| Input Voltage                 |  |
| - Category                    | CAT I  |
| - Differential Range          | 700Vrms and ±700V(DC+Peak AC) @1/100<br>5000Vrms and ±7000V(DC+Peak AC) @1/1000  |
| - Common Mode Range           | 2500Vrms and ±7000V(DC+Peak AC) @1/100 & 1/1000  |
| - Absolute Max. Voltage       | 2500Vrms and ±7000V(DC+Peak AC) @1/100 & 1/1000<br>in common mode<br>5000Vrms and ±7000V(DC+Peak AC) @1/100 & 1/1000<br>in differential mode |
| Output Voltage                |  |
| - Swing                       | ±7V (into 50kΩ load)   |
| - 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    | Up to 85% RH   |
| Ambient Storage Humidity      | Up to 85% RH   |
| Power Requirements *          |  |
| - Standard                    | 4xAA cells   |
| - Options                     | Power leads, Mains adaptor* (6VDC/200mA<br>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.