

## 9. Specifications

	TT-SI 9101
Bandwidth	DC to 100MHz (-3dB)
Attenuation Ratio	1:10 / 1:100
Accuracy	±2%
Rise Time	3,5ns
Input Impedance	4MΩ // 7pF each side to ground
Input Voltage - Differential Range	1:10 ±70V (DC+peak AC) or 70Vrms 1:100 ±700V (DC+peak AC) or 700Vrms
Input Voltage - Common Mode Range	1:10 and 1:100 ±700V (DC+peak AC) or 500Vrms
Input Voltage - Absolute Max. (Differential or Common)	1:10 ±1000V (DC+peak AC) or 1000Vrms 1:100 ±1400V (DC+peak AC) or 1000Vrms
Measurement Category	CAT III
Output Voltage - Swing	±7V (into 50kΩ load)
Output Voltage - Offset (typical)	<±5mV
Output Voltage - Noise (typical)	0,9mVrms
Source Impedance (typical)	50Ω (for using 1MΩ input system oscilloscope)
CMRR (typical)	-85dB @50Hz, -55dB @1MHz
Ambient Operating Temperature	-10°C to 40°C
Ambient Storage Temperature	-30°C to 70°C
Ambient Operating Humidity	25% to 85% RH
Ambient Storage Humidity	25% to 85% RH
Power Requirements - Standard	4 x AA Cells
Power Requirements - Optional	Power lead or Mains Adapter (6VDC/60mA or regulated VDC/40mA)
Length of BNC Cable	95cm
Length of Input Leads	30cm
Weight	500g
Dimensions (LxWxH)	202mm x 83mm x 38mm

- 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 will flicker.