

## 9. Specifications

	TT-SI 9110
Bandwidth	DC to 100MHz (-3dB)
Attenuation Ratio	1:100 / 1:1000
Accuracy	±2%
Rise Time	3,5ns
Input Impedance	4MΩ // 7pF each side to ground
Input Voltage - Differential Range	1:100 ±140V (DC+peak AC) or 140Vrms 1:1000 ±1400V (DC+peak AC) or 1000Vrms
Input Voltage - Common Mode Range	1:100 and 1:1000 ±1400V (DC+peak AC) or 1000Vrms
Input Voltage - Absolute Max. Common Mode	1:100 and 1:1000 ±1400V (DC+peak AC) or 1000Vrms
Input Voltage - Absolute Max. Differential Mode	1:100 and 1:1000 ±1400V (DC+peak AC) or 1000Vrms
Measurement Category	CAT III
Output Voltage - Swing	±1,4V (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)	-80dB @60Hz, -60dB @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 9VDC/40mA)
Length of BNC Cable	90cm
Length of Input Leads	60cm
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.