

## 9. Specifications

	TT-SI 9001	TT-SI 9002
Bandwidth	DC to 25MHz (-3dB)	DC to 25MHz (-3dB)
Attenuation Ratio	1:10 / 1:100	1:20 / 1:200
Accuracy	±2%	±2%
Rise Time	14ns	14ns
Input Impedance	4MΩ // 5,5pF each side to ground	4MΩ // 5,5pF each side to ground
Input Voltage - Differential Range	1:10 ±70V (DC+peak AC) or 70Vrms 1:100 ±700V (DC+peak AC) or 700Vrms	1:20 ±140V (DC+peak AC) or 140Vrms 1:200 ±1400V (DC+peak AC) or 1000Vrms
Input Voltage - Common Mode Range	1:10 and 1:100 ±700V (DC+peak AC) or 700Vrms	1:20 and 1:200 ±1400V (DC+peak AC) or 1000Vrms
Input Voltage - Absolute Max. (Differential or Common)	1:10 and 1:100 ±1400V (DC+peak AC) or 1000Vrms	1:20 and 1:200 ±1400V (DC+peak AC) or 1000Vrms
Measurement Category	CAT III	CAT III
Output Voltage - Swing	±7V (into 50kΩ load)	±7V (into 50kΩ load)
Output Voltage - Offset (typical)	<±5mV	<±5mV
Output Voltage - Noise (typical)	0,7mVrms	0,7mVrms
Source Impedance (typical)	50Ω (for using 1MΩ input system oscilloscope)	50Ω (for using 1MΩ input system oscilloscope)
CMRR (typical)	-86dB @50Hz, -66dB @20kHz	-80dB @50Hz, -60dB @20kHz
Ambient Operating Temperature	-10°C to 40°C	-10°C to 40°C
Ambient Storage Temperature	-30°C to 70°C	-30°C to 70°C
Ambient Operating Humidity	25% to 85% RH	25% to 85% RH
Ambient Storage Humidity	25% to 85% RH	25% to 85% RH
Power Requirements - Standard	4 x AA Cells	4 x AA Cells
Power Requirements - Optional	Power lead or Mains Adapter (6VDC/60mA or regulated 9VDC/40mA)	Power lead or Mains Adapter (6VDC/60mA or regulated 9VDC/40mA)
Length of BNC Cable	95cm	95cm
Length of Input Leads	45cm	45cm
Weight	400g (probe and PVC jacket)	400g (probe and PVC jacket)
Dimensions (LxWxH)	170mm x 63mm x 21mm	170mm x 63mm x 21mm