

# Aktive Differential-Tastköpfe / Active Differential Probes

## TT-SI 9010, TT-SI 9020



Specifications	Type	TT-SI 9010	TT-SI 9020
<b>Ordernumber</b>		<b>15106</b>	<b>15107</b>
<b>Bandwidth</b>		DC to 70MHz (-3dB)	DC to 70MHz (-3dB)
<b>Attenuation Ratio</b>		1:100 / 1:1000	1:200 / 1:2000
<b>Accuracy</b>		±2%	±2%
<b>Rise Time</b>		5ns	5ns
<b>Input Impedance</b>		10MΩ // 10pF each side to ground	10MΩ // 10pF each side to ground
<b>Input Voltage</b>			
- Differential Range	1:100 1:1000	±700V (DC + peak AC) or 700Vrms ±7000V (DC + peak AC) or 5000Vrms	1:200 1:2000 ±1400V (DC + peak AC) or 1400Vrms ±14000V (DC + peak AC) or 5000Vrms
- Common Mode Range	1:100 1:1000	±7000V (DC + peak AC) or 2500Vrms ±7000V (DC + peak AC) or 2500Vrms	1:200 1:2000 ±7000V (DC + peak AC) or 2500Vrms ±7000V (DC + peak AC) or 2500Vrms
- Absolute max. Voltage CAT II in Differential Mode	1:100 1:1000	±7000V (DC + peak AC) or 5000Vrms ±7000V (DC + peak AC) or 5000Vrms	1:200 1:2000 ±14000V (DC + peak AC) or 5000Vrms ±14000V (DC + peak AC) or 5000Vrms
- Absolute max. Voltage CAT II in Common Mode	1:100 1:1000	±7000V (DC + peak AC) or 2500Vrms ±7000V (DC + peak AC) or 2500Vrms	1:200 1:2000 ±14000V (DC + peak AC) or 2500Vrms ±14000V (DC + peak AC) or 2500Vrms
<b>Output</b>			
- Swing		±7V (into 50kΩ load)	±7V (into 50kΩ load)
- Offset (typical)		<±5mV	<±5mV
- Noise (typical)		0,9mVrms	0,9mVrms
- Source Impedance (typical)		50Ω	50Ω
<b>CMRR (typical)</b>		-80dB @ 50Hz, -60dB @ 20kHz	-80dB @ 50Hz, -60dB @ 20kHz

Technische Änderungen vorbehalten / All specifications and characteristics are subject to change without notice

Power requirements: 4 x AA Cells or Mains Adaptor 6VDC/200mA or regulated 9VDC/120mA

Dimensions: (L x W x H) 202mm x 83mm x 38mm

Length: BNC Cable 90cm - Input Leads 60cm

Weight: 500g (including 4 cells)