

T3HVD High Voltage Probe Fact Sheet

High Voltage Differential Probe

Debug with Confidence

7000 Volts, 200 MHz



Key Specifications

Maximum Differential Voltage	± 7000 V (DC + Peak AC)
3 Models Available	T3HVD1500-70, T3HVD1500-200, T3HVD7000-100
Bandwidth (-3 dB)	Up to 200 MHz
Rise Time	Up to < 1.75 ns
Differential Mode Input Impedance	Up to 40 MΩ / < 2.5 pF
Connectivity	BNC cable to Oscilloscope 1 MΩ input
Warranty	1 Year

Tools for Improved Debugging

- ± 7000 V Differential signal input (DC + Peak AC). ✔ Large measurement voltage range gives wide application coverage.
- Input impedance up to 40 MΩ / ≤ 2.5 pF depending on model. ✔ Low DUT loading for accurate measurements.
- Wide DC to 200 MHz bandwidth. ✔ Wide bandwidth enhances measurement capability and application coverage.
- Combined single ended and differential measurement capability. ✔ Make measurements on single ended and differential circuits without the need to change probes.
- Use with any scope with a 1 MΩ input and BNC connector. ✔ Compatible with all your Oscilloscopes.
- High Common Mode Rejection Ratio of > 50 dB at 1 MHz, > 80 dB at DC. ✔ Good CMRR figures for accurate measurements.
- Includes wall socket 5 V / 1 A power supply. ✔ All accessories included to enable immediate use.

For more information, please contact:



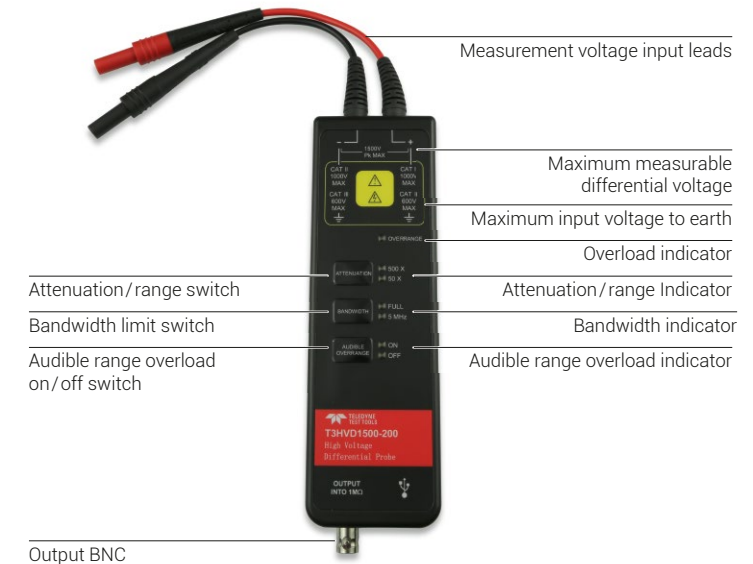
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High Voltage Differential Probe

Key Features

- Accurate and easy voltage measurements.
- Wide 200 MHz bandwidth.
- Differential signal input of up to ± 7000 V (DC + Peak AC) depending on model.
- High differential input impedance of up to 40 M Ω / < 2.5 pF depending on model.
- Maximum common mode voltage of ± 7000 V.
- Combined single ended and differential measurement capability.
- Use with any scope with a 1 M Ω input and BNC connector.
- Over-Voltage alarm with dual indicators.
- Switchable bandwidth limit to reduce noise.

Specification	T3HVD1500-70 & T3HVD1500-200		T3HVD7000-100	
Bandwidth (-3 dB)	T3HVD1500-70	70 MHz	100 MHz	
	T3HVD1500-200	200 MHz		
Rise Time	T3HVD1500-70	≤ 5 ns	≤ 3.5 ns	
	T3HVD1500-200	≤ 1.75 ns		
Accuracy	$\pm 2\%$		$\pm 2\%$	
Attenuation / Range Selection	50 x / 500 x		100 x / 1000 x	
Maximum Differential Voltage (DC + Peak AC)	50 x	± 150 V	100 x	± 700 V
	500 x	± 1500 V	1000 x	± 7000 V
Common Mode Voltage (DC + Peak AC)	± 1500 V		± 7000 V	
Maximum Input Voltage To Earth (V rms)	CAT II 1000 V / CAT III 600 V		CAT I 2300 V / CAT III 1000 V	
Input Impedance	Single Ended To Ground	5 M Ω , < 4 pF	20 M Ω , 5 pF	
	Between Inputs	10 M Ω , < 2 pF	40 M Ω , 2.5 pF	
CMRR	DC	> 80 dB	> 80 dB	
	100 kHz	> 60 dB	> 60 dB	
	1 MHz	> 50 dB	> 50 dB	
Noise (Vrms)	50 x	< 50 mV	100 x	< 200 mV
	500 x	< 300 mV	1000 x	< 1.2 V



The Teledyne Test Tools T3HVD Probes come in a protective case and include a universal wall power adaptor.