

HT8000

HT8000 Series high voltage isolated probe



HT8000 Series high voltage isolated probe adopts the differential input mode. It's mainly used in the place that needs high voltage isolation measurement.

This series high voltage isolated probe has two options of attenuation, 1/50 and 1/500. The difference module measurement range is 130V (DC+peakAC) and 1300V (DC+peakAC).

This series high voltage isolated probe has over range warning function, indicates by red LED light.

This series high voltage isolated probe has small and nice appearance, firm and durable structure, good stability, reliability and accuracy.

Electrical Performance

Model Number	HT8050	HT8100
Bandwidth (-3dB)	50MHz	100MHz
Rise time	7ns	3.5ns
Accuracy	±2%	
Attenuation Ratio	1/50, 1/500	
Input Impedance	Single-ended to ground : 4MΩ Between two input ends : 8MΩ	
Input Capacitance	Single-ended to ground : 7pF Between two input ends : 3.5pF	
Maximum Difference Measurement Voltage	1/50:130V(DC+peakAC) 1/500:1300V(DC+peakAC)	
Maximum Common Mode Input Voltage	1000Vrms, CATII 600Vrms, CATIII	
Noise	1/50:≤1.5mVrms 1/500:≤1mVrms	
Linearity	±1%	
Delay Time	20ns±1ns	
CMRR	DC : ≥80dB 100KHz : ≥60dB 1MHz : ≥50dB	
Over Range Warning Voltage Threshold	1/50:140V±4V(DC+peakAC) 1/500:1400V±40V(DC+peakAC)	
Power Adapter Output Power	DC9V,1000mA	
Power Adapter Input Power	AC100-240V, 50-60Hz	
Machinery Specification		
Length of Input Cable	About 60cm	About 30cm
Length of Output Cable	About 90cm	
Gator Clip	About 85*40*13 (mm)	
Finger Pin	About 160*45*13 (mm)	

Probe Body	120*55*24 (mm)
Weight	160g
Environmental Characteristics	
Working Temperature	0-40°C
Storage Temperature	- 10-45°C
Working Humidity	85%RH
Storage Humidity	90%RH
Working Altitude	3000m
Storage Altitude	12000m