

3. Main Specifications

Electrical Specification		
Model	HT8050	HT8100
Bandwidth (-3dB)	50MHz	100MHz
Rise time	7ns	3.5ns
Accuracy	$\pm 2\%$	
Attenuation	1/50, 1/500	
Input resistance	Between each input to ground: $4M\Omega$ Between inputs: $8M\Omega$	
Input capacitance	Between each input to ground: 7pF Between inputs: 3.5pF	
Maximum measurable differential voltage	1/50: 130V (DC + peak AC) 1/500: 1300V (DC + peak AC)	
Maximum input voltage-to-earth	1000Vrms, CAT II 600Vrms, CAT III	
Noise	1/50: $\leq 1.5mVrms$ 1/500: $\leq 1mVrms$	
Linearity	$\pm 1\%$	
Delay time	20ns $\pm$ 1ns	
CMRR	DC: $\geq 80dB$ 100Hz: $\geq 60dB$ 1MHz: $\geq 50dB$	

Differential overvoltage detection level	1/50: 140V $\pm$ 4V (DC + peak AC) 1/500: 1400V $\pm$ 40V (DC + peak AC)
AC adapter output	DC9V, 1000mA
AC adapter input	AC100~240V, 50~60Hz
Typical mechanical specification	
Input cable length	HT8050: 60cm; HT8100: 30cm
Output cable length	90cm
Alligator clips	85×40×13 (mm)
Pincer clips	160×45×13 (mm)
Probe body	120×55×24 (mm)
Weight (probe only)	160g
Environment Specification	
Operating temperature	0~40℃
Storing temperature	-10~45℃
Operating humidity	85%RH
Storing humidity	90%RH
Operating altitude	3000m
Storing altitude	12000m