

High Voltage Differential Probes

DP Series Introduction



- ①Signal Input ②Attenuation Indicators/Overrange Indicators(flash)
 ③Signal Output ④Power Input ⑤Power Output ⑥Alligator Clips (red black 1 pair)
 ⑦Hook Clips(red black1 pair) ⑧Pincer Clips (red black 1 pair) ⑨USB Cable

Key performance specifications

- Bandwidths up to 100 MHz
- Maximum Differential Test Voltage (DC+ Peak AC) up to 1300 V
- Switchable attenuation 50X and 500X

Applications

- Floating measurements
- Switching power supply design
- Motor drive design
- Electronic ballast design
- CRT display design
- Power converter design and service
- Power device evaluation

Model	DP5013	DP10013
Bandwidth	50MHz	100MHz
Rise Time	7ns	3.5ns
Attenuation	50X 500X	50X 500X
Gain accuracy	±2%	±2%
Maximum Differential Test Voltage (DC+ Peak AC)	130V (50X) 1300V (500X)	130V (50X) 1300V (500X)
Maximum input common mode voltage (DC+ Peak AC)	130V (50X) 1300V (500X)	130V (50X) 1300V (500X)
Input referred noise	≤40mV rms (50X) ≤230mV rms (500X)	≤40mV rms (50X) ≤230mV rms (500X)
Common Mode Rejection Ratio	>80dB (DC) >60dB (100KHz) >50dB (1MHz)	>80dB (DC) >60dB (100KHz) >50dB (1MHz)
Input Impedance	10MΩ/1pF (differential) 5MΩ/2pF (Single-ended to ground)	10MΩ/1pF (differential) 5MΩ/2pF (Single-ended to ground)
Output Voltage	≤3V	≤3V
Output Impedance	75Ω	75Ω
Overrange Alarm	Button light flashes	Button light flashes
Power Supply	DC 5V, USB Supply	DC 5V, USB Supply
Power	0.85W	0.85W
Dimension	14.5cm*6cm*2.7cm	14.5cm*6cm*2.7cm
Input cable length	Approx 60cm	Approx 60cm
Output cable length	Approx 90cm	Approx 90cm