

High Voltage Differential Probe

DP Series



▲ DP10007 / DP10013 / DP20003

- High accuracy, low noise, measuring voltage up to 5600V
- Most compact design with professional performances
- One-press Zero calibration & Automatic overrange alarm
- Powered by oscilloscope USB output, no adapter needed

Specifications

Model / Ordering Number	DP10007	DP10013	DP20003
Bandwidth	100MHz	100MHz	100MHz
Rise Time	≤ 3.5ns	≤ 3.5ns	≤ 3.5ns
Attenuation Range	10X, 100X	50X, 500X	200X, 2000X
Gain Accuracy	±2%	±2%	±2%
Max. Differential Test Voltage (DC+AC PK)	70V (10X) 700V (100X)	130V (50X) 1300V (500X)	560V (200X) 5600V (2000X)
Max. Input Common Mode Voltage	CAT II 600V CAT I 1000V	CAT II 1000V	CAT III 1000V
Input Referred Noise	≤ 15mVrms (10X) ≤ 60mVrms (100X)	≤ 40mVrms (50X) ≤ 230mVrms (500X)	≤ 160mVrms (200X) ≤ 920mVrms (2000X)
Common Mode Rejection Ratio (CMRR)	> 80dB (50Hz / DC) > 60dB (20KHz) > 45dB (1MHz)	> 80dB (DC) > 60dB (100KHz) > 50dB (1MHz)	> 80dB (DC) > 60dB (100KHz) > 50dB (1MHz)
Input Impedance	8MΩ/1.25pF (differential) 4MΩ/2.5pF (each input to ground)	10MΩ/1pF (differential) 5MΩ/2pF (each input to ground)	50MΩ/1.25pF (differential) 25MΩ/2.5pF (each input to ground)

Output Voltage	≤ 7V	≤ 3V	≤ 3V
Power	1.25W	0.85W	0.85W
Power Supply	DC 5V, USB	DC 5V, USB	DC 5V, USB
Overrange Alarm	Flashing Light		
Input cable length	45cm		
Output cable length	90cm		
Operating temperature	0℃-45℃		
Operating humidity	10%-85%		