

Powertek

High Voltage Differential Probe

DP-14K

14kV/75MHz

Features:

- High Impedance $54\text{M}\Omega//1.3\text{PF}$
- 4 Range Attenuator 14kV/20kV High Voltage Input
- $<6.5\text{V}$ Low Voltage Indicate
- $<5.5\text{V}$ Auto Power Off
- Separating Design, Convenient, Durable
- Option PL-10 to Connect With Digital DMM



DP-20K

20kV/20MHz

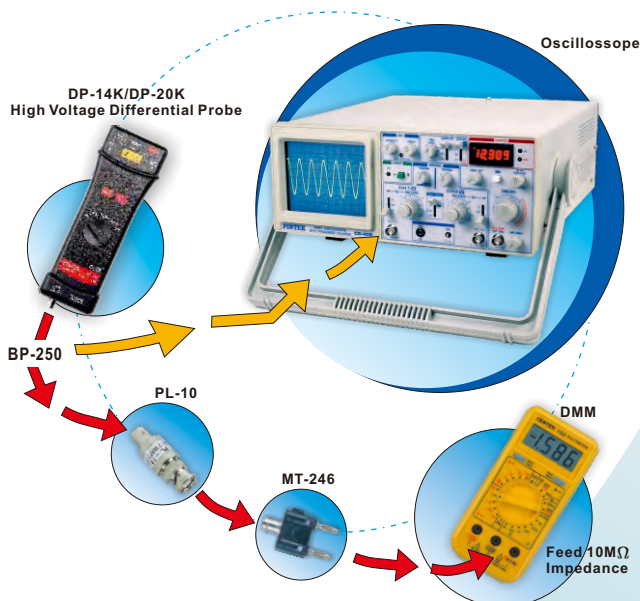
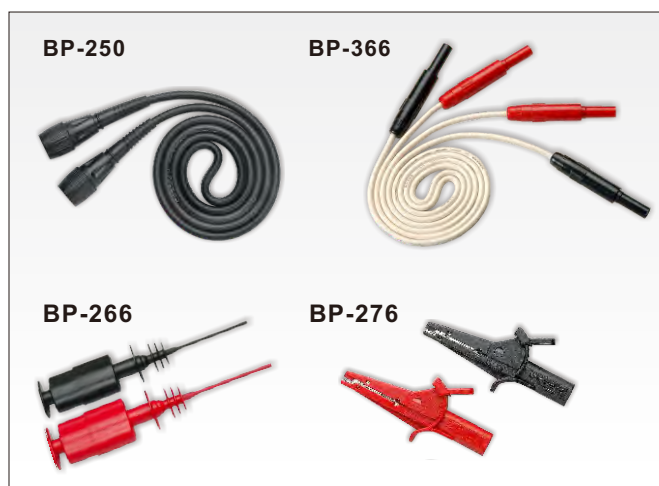


DP-14K/DP-20K High Voltage Differential Probe

SPECIFICATIONS:

FUNCTION / MODEL	DP-14K	DP-20K
Differential Voltage DC + AC pk	14kV	20KV
Bandwidth (50 Ω load -3dB)	75MHz(X400, X1000, X2000)	20MHz(X600, X1500, X3000)
Common Mode Voltage DC + AC pk	14kV	20kV
Common Mode Voltage RMS CAT II / CAT III	5kV	7kV
Attenuation (Switchable)	X200, X400, X1000, X2000	X300, X600, X1500, X3000
Input R (Each Input)	27M Ω $\pm$ 1%	27M Ω $\pm$ 1%
Input C (Each Input)	2.5 PF $\pm$ 2%	2.5 PF $\pm$ 2%
Maximum Operation Voltage (DC+ AC pk)	$\leq \pm$ 1300V at x 200 $\leq \pm$ 2600V at x 400 $\leq \pm$ 6500V at x 1000 $\leq \pm$ 14kV at x 2000	$\leq \pm$ 1.9kV at x 300 $\leq \pm$ 3.9kV at x 600 $\leq \pm$ 9.7kV at x 1500 $\leq \pm$ 20kV at x 3000
Common Mode Rejection Ratio (CMRR)	60 Hz: > 10000 : 1 100 Hz: > 1000 : 1 1MHz: > 300 : 1	60 Hz: > 20000 : 1 100 Hz: > 2000 : 1 1MHz: > 600 : 1
Noise (Into 50 Ω Load)	$\leq$ 3m Vrms	$\leq$ 3m Vrms
Input Impedance (Between Input)	54M Ω // 1.3 PF	54M Ω // 1.3 PF
Accuracy (at 20~30 $^{\circ}$ C 70%RH after 20 minutes)	$\leq \pm$ 2%	$\leq \pm$ 2%
Maximum Output Voltage	$\leq \pm$ 7.0V	$\leq \pm$ 7.0V
Power Source	External 6V ~ 9V DC	External 6V ~ 9V DC

ACCESSORIES:



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