

**Powertek**

# High Voltage Differential Probe

## DP-08VF

- ★ 150MHz High Frequency !
- ★ 800V p-p High Voltage !
- ★ x20, x200 Attenuator

- MAX. Input Voltage:  
 $\pm 400V$  DC or 800V p-p or AC 280V rms
- Bandwidth: DC-150MHz
- Input Impedance  $20M\Omega // 5PF$
- X20, X200 Attenuator
- To Ground MAX. Voltage: 400V
- Output Impedance  $50\Omega$

**150 MHz**



## DP-16VF

- ★ 150MHz High Frequency !
- ★ 16KV p-p High Voltage !
- ★ x400, x4000, Attenuator

- MAX. Input Voltage:  
 $\pm 8KV$  DC or 16KV p-p or AC 5.6KV rms
- Bandwidth: DC-150MHz
- Input Impedance  $20M\Omega // 5PF$
- X400, X4000 Attenuator
- To Ground MAX. Voltage: 3.5KV CAT III
- Output Impedance  $50\Omega$



**Powertek**

[www.powertekuk.com](http://www.powertekuk.com)

# DP-16VF High Voltage Differential Probe

## SPECIFICATIONS:

FUNCTION / MODEL	DP-16VF
Bandwidth (50Ω load -3dB)	150MHz
Attenuation (Switchable)	X400, X4000
Input Voltage	
Differential Voltage	±800V(DC+AC peak) about 560Vrms at X400 ±8000V(DC+AC peak) about 5.6KVrms at X4000
Common Mode Range	±8000V(DC+AC peak) about 2.8KVrms at X4000
Absolute Max Voltage	±8000V(DC+AC peak) about 5.6KVrms at X4000 in Differential Mode
	±8000V(DC+AC peak) about 2.8KVrms at X4000 in Common Mode
CMRR	60Hz: 80 dB ; 100Hz: 60 dB ; 1MHz: 50 dB
Noise (Into 50Ω Load)	≤ 1.0m Vrms
Input Impedance (Differential)	20MΩ // 5PF
Input Impedance (Each)	10MΩ // 10PF each side to ground
Accuracy	≤ ± 2%
Offset	≤ 5mV
Maximum Output Voltage	≤ ± 2V
Output Impedance	50Ω(for using 50Ω input system oscilloscope)
Power Source	External 5V DC Adaptor
Other	Over Range Indicate



For UK & European sales, support, service and deliveries:  
 Powertek UK 19 Cornwallis Road Bilton, Rugby CV22 7HL UK  
 New Tel: 01788 519911 Fax: 0870 0940135  
 Int'l Tel: +44 1788 519911 Int'l Fax: +44 870 0940135  
 Email: info@powertekuk.com Website: www.powertekuk.com

For USA sales, support, service and deliveries:  
 Powertek US Inc 7 3rd street Holbrook, NY 11741  
 USA Tel: +1 631 615 6279 Fax: +1 973-273-5893  
 Email: info@powertekus.com Website: www.powertekus.com

SALES AGENT