

DP-40K HIGH VOLTAGE DIFFERENTIAL PROBE ———

SPECIFICATIONS (*Max voltage time limit: 30 seconds)

- (1) Bandwidth:
 - DC - 75 MHz (-3 dB) for X500
 - DC - 20 MHz (-3 dB) for X5000
- (2) Attenuation: X500, X5000
- (3) Accuracy: $\pm 2\%$
- (4) Voltage Input Ranges (DC + AC peak to peak)
 - ≤ 40 KV for X5000, (i.e about 14 KV / 60 Hz or ± 20 KV DC)
 - ≤ 4 KV for X500, (i.e about 1.4 KVrms or ± 2 KV DC)
- (5) Permitted Max Input Voltage
 - Max. differential voltage:
40 KV (DC + AC peak to peak) or AC 14 KV / 60 Hz
 - Max. voltage between each input terminal and ground: 7 KVrms
 - Note:** Max. voltage input should not last more than 30 seconds.
- (6) Input Impedance:
 - Differential: $110\text{ M}\Omega // 1\text{ pF}$
 - Between terminals and ground: $55\text{ M}\Omega // 2\text{ pF}$
- (7) Output: $\leq \pm 4.0\text{ V}$
- (8) Output Impedance: $50\ \Omega$
- (9) Rise Time: 4.7 ns for X500 , 17.5 ns for X5000
- (10) Rejection Rate on Common Mode:
 - 60 Hz: $> 80\text{ dB}$, 100 Hz: $> 60\text{ dB}$, 1 MHz: $> 50\text{ dB}$
- (11) Power Supply: External 9 V DC power supply.
- (12) Consumption: 120 mA max (1.1 WATT)