

DP-100 HIGH VOLTAGE DIFFERENTIAL PROBE

SPECIFICATIONS

- (1) Bandwidth: DC - to 100 MHz (-3 dB)
- (2) Attenuation: X100, X200, X500, X1000
- (3) Accuracy: $\pm 2\%$
- (4) Voltage Input Ranges (DC + AC peak to peak)
 - ≤ 700 Vp-p for X100, (i.e about 230 V RMS or DC)
 - ≤ 1400 Vp-p for X200, (i.e about 460 V RMS or DC)
 - ≤ 3500 Vp-p for X500, (i.e about 1140 V RMS or DC)
 - ≤ 7000 Vp-p for X1000, (i.e about 2300 V RMS or DC)
- (5) Permitted Max Input Voltage
 - Max differential voltage: 7000 V (DC + AC peak to peak)
 - Max voltage between each input terminal and ground:
1200 V RMS
- (6) Input Impedance:
 - Differential: $16\text{ M}\Omega / 1.2\text{ pF}$
 - Between terminals and ground: $8\text{ M}\Omega / 2.3\text{ pF}$
- (7) Output: $\leq \pm 7.0\text{ V}$
- (8) Output Impedance: $50\ \Omega$
- (9) Rise Time: 3.5 ns
- (10) Rejection Rate on Common Mode:
 - 60 Hz: $> 80\text{ dB}$; 100 Hz: $> 60\text{ dB}$; 1 MHz: $> 50\text{ dB}$
- (11) Power Supply: Only External 9 V DC power supply .
- (12) Consumption: $< 300\text{ mA max}$