

DP-800HS HIGH SENSITIVITY DIFFERENTIAL PROBE

SPECIFICATIONS

- (1) Bandwidth:
x1 DC~30MHz, x10 DC~50MHz, x100 DC~20MHz
- (2) Attenuation: x1, x10, x100
- (3) Accuracy: $\pm 2\%$
- (4) Voltage Input Ranges (DC + AC peak to peak)
 - $\leq 800\text{V}$ for x 100, (i.e about 280V RMS or $\pm 400\text{V DC}$)
 - $\leq 80\text{V}$ for x 10, (i.e about 28V RMS or $\pm 40\text{V DC}$)
 - $\leq 8\text{V}$ for x 1, (i.e about 2.8V RMS or $\pm 4\text{V DC}$)
- (5) Permitted Max Input Voltage
 - Max differential voltage: 800V (DC + AC peak to peak)
 - Max voltage between each input terminal and ground:
400V RMS
- (6) Input Impedance:
 - Differential: $3\text{M}\Omega // 2.5 \text{PF}$
 - Between terminals and ground: $1.5\text{M}\Omega // 4 \text{PF}$
- (7) Output: $\leq \pm 4.0 \text{V}$
- (8) Output Impedance: 50Ω
- (9) Rise Time: x1 12nS, x10 7nS, x100 17nS
- (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: 200 mA max (1.8 WATT)