

MODEL NUMBER:
DP6 7kV

VOLTAGE PROBE FOR TRANSIENT MEASUREMENTS

DIFFERENTIAL PROBE FOR HIGH VOLTAGE POWER MEASUREMENT

The DP6 7kV meets IEC61010-031 Category I Requirements and is ideally suited for measuring high-speed voltage surge in power electronics circuits.

FEATURES:

- ✓ SAFETY CERTIFIED-OVER
- ✓ RANGE
- ✓ INDICATOR
- ✓ UP TO +/-7000 V(DC +PEAK AC)
- ✓ DIFFERENTIAL
- ✓ BANDWIDTH UP TO 70 MHZ

APPLICATIONS

- ✓ HIGH VOLTAGE FLOATING MEASUREMENTS
- ✓ VOLTAGE SURGE MEASUREMENT
- ✓ POWER ELECTRONICS SYSTEM DESIGN
- ✓ ELECTRONIC BALLAST DESIGN

INCLUDED

- ✓ RED & BLACK SPRUNG HOOKS
- ✓ CALIBRATION CERTIFICATE
- ✓ 4EA AA BATTERIES
- ✓ 9 VDC ADAPTER

SPECIFICATIONS

Bandwidth	DC to 70MHz (-3dB)
Attenuation	1:100/1000
Input Impedance	10 M OHm/10pF each side to ground
Accuracy	+/- 2%
Rise Time	<5ns
Input Voltage	
- Category	CAT I
- Differential Input Voltage	700Vrms and +/-700V (DC+Peak AC) @ 1/100 5000Vrms and +/- 7000V (DC +Peak AC) @ 1/1000
- Common Mode Voltage	2500Vrms and +/-7000V (DC+ Peak AC) @ 1/100 & 1/1000
- Absolute Max . Input	2500Vrms and +/-7000V (DC+ Peak AC) @ 1/100 & 1/1000 in Commom Mode 5000Vrms and +/-7000V (DC +Peak AC) @ 1/100 & 1/1000 in Differential Mode

Output Voltage	- Swing - Offset (typical) - Noise (typical) - Source Impedance (typical)	+ 7V (into 50kohm load) <+5mV 0.9m Vrms 50 Ohm (for using 1 Mohm input system oscilloscope)
CMRR (typical)		-80dB @ 50Hz, -60dB @ 20kHZ
Ambient Operating temperature		-10 to 40 degree centigrade
Ambient Storage temperature		-30 to 70 degree centigrade
Ambient Operating humidity		Up to 85% RH
Ambient Storage humidity		Up to 85% RH
Power Requirements*		Standard- 4 x AA cells or 9VDC adapter (Both Included) Options- Power Leads
Length of Input Leads		23"
Length of BNC Cables		36"
Weight		0.9 lb
Dimensions		(LxWxH) 8" x 3 1/4" x 1 1/2"

* a. The supplied voltage must be less than 12V and greater than 4.4V, otherwise the probe could be damaged or can't be operated properly.
b. polarity is "+" inside and "-" outside. For wrong polarity, built-in circuit protects the probe, no danger or damage will occur.
c. When the voltage of the cells become too low, the power indicator on the panel will flicker. Additional Accessories- Shown Below

PRODUCT DIMENSIONS

Width:	8.00 (in)
Height:	3.00 (in)
Depth:	11.00 (in)

