

# CT2982B

## 10 kV High Voltage Probe

# Datasheet

### Overview:

The CT2982B is a 10 kV high voltage divider probe for use with both digital and analog oscilloscopes.

### Kit Contents:

- Probe
- Hook tip
- Flat bar tip

### Features:

- Input voltage of 10 kV (DC+ACpk)
- 40 MHz bandwidth
- Voltage dividing of 1000:1
- Frequency compensation



All specifications apply to the unit after a temperature stabilization time of 20 minutes over an ambient temperature range of 25 °C ± 5 °C.

<b>Specifications</b>	
<b>Operating Parameters</b>	
Maximum Input Voltage (CAT I)	10 kV (DC + ACpk) 7 kVrms AC
Division Ratio	1000:1
Bandwidth	40 MHz (-3 dB)
Compensation Range	5 pF to 50 pF
Temperature Coefficient	≤200 ppm/°C
Input Resistance	100 MΩ ± 5%
Rise Time	≤8.8 ns
<b>Accuracy</b>	
DC Volts	±3% (below 10 kV)
AC Volts	±3% at 1 kHz ±3 dB 0 to 40 MHz
<b>General</b>	
Cable Length	6.6 ft (2 m)
Designed for Use in	Pollution Degree 2
Operating Environment	32°F to 122°F 0°C to 50°C
Storage Temperature	-4°F to 158°F -20°C to 70°C
Humidity	≤80% relative humidity at 104°F (40°C)
Dimensions	13 in (34 cm)
Weight	0.55 lbs (250 g)
Warranty	One-year warranty

Specifications are subject to change without notice. To ensure the most current version of this manual, please download the current version from our website: [caltestelectronics.com](http://caltestelectronics.com)