

# 10 kV High-Voltage Oscilloscope Probe, cTUVus Listed

**CT4432**



## Features:

- 40 MHz Bandwidth
- Up to 10 kV input (DC + ACpeak)
- cTUVus safety certified
- Improved Dual Precision Resistor design
- Attenuation factor of 1000x
- Compensation range of 5 pF - 50 pF
- Replaceable tips
- Insulated BNC connection
- Use with DMM by employing BNC converter, CT3197B
- RoHS 2 Compliant
- Two-year warranty

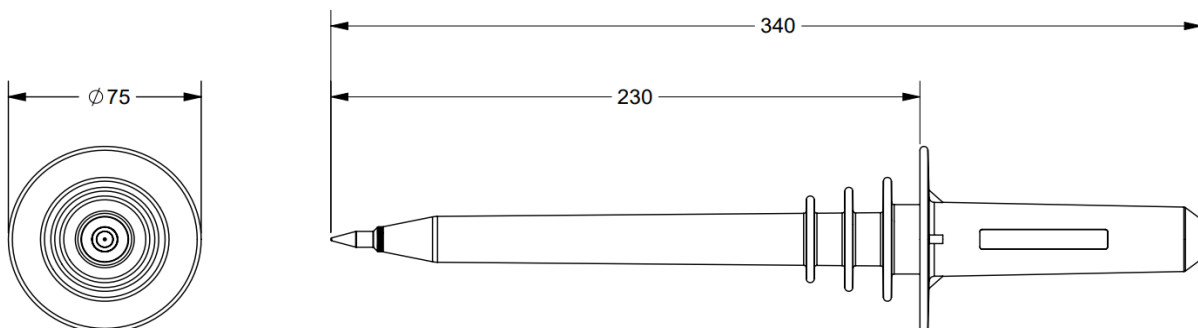
## Description:

Because an oscilloscope has limits to the input voltage it can accept, measuring higher voltages may sometimes require the use of an attenuating high-voltage probe. The CT4432, with its improved dual precision resistor design, can accurately and safely step-down higher voltages to an acceptable level. It offers 1000x attenuation, and it features a compensation range of 5 pF to 50 pF for a wide range of oscilloscope capacitance matching.

The CT4432 High-Voltage Oscilloscope Probe enables you to safely measure voltage levels up to 10 kV. With the Cal Test Electronics name and certification by cTUVus, you can be confident this test accessory is both reliable and safe. The CT4432 is covered by a two-year warranty.

This probe is compatible with oscilloscopes (of 1 M $\Omega$  input) from all major manufacturers.

## Mechanical Drawing: Dimensions in mm, not to scale



Specifications and appearance subject to change without notice  
451-073-001\_rB

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## Order Information:

### CT4432

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## Contact Info:

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Specifications	
Maximum Input Voltage	10 kV (DC + AC <sub>peak</sub> ) 7 kV (AC <sub>rms</sub> )
Maximum Loading Current	100 $\mu$ A
Attenuation	1000x
Bandwidth	DC to 40 MHz (-3dB)
Rise Time	$\leq$ 8.8 ns
Input Resistance	100 M $\Omega$ $\pm$ 5%
Input Capacitance	2.0 pF
Accuracy	$\pm$ 3% (Below 10 kV) DC $\pm$ 3% @ 1 kHz VAC $\pm$ 3% dB 0 to 40 MHz VAC
Temperature Coefficient	$\leq$ 200 ppm/ $^{\circ}$ C
Compensation Range	5 pF to 50 pF
Alligator Clip Lead Length	1 m (3.3 ft)
BNC Cable Length	2 m (6.6 ft)
Operating Temperature	0 $^{\circ}$ C to 50 $^{\circ}$ C (32 $^{\circ}$ F to 122 $^{\circ}$ F)
Storage Temperature	-20 $^{\circ}$ C to 70 $^{\circ}$ C (-4 $^{\circ}$ F to 158 $^{\circ}$ F)
Humidity	$\leq$ 80% RH @ 40 $^{\circ}$ C (104 $^{\circ}$ F)
Dimensions	340 mm x 75 mm x 75 mm (13 in x 3 in x 3 in)
Weight	250 g (0.55 lb)



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