

## 5 MHz, 700 V Differential oscilloscope probe x10/x100



The TA041 is an active differential oscilloscope probe. The probe permits the measurement of signals which are not referenced to earth using a conventional earthed oscilloscope. This enables mains voltages to be tested. It is possible to measure and observe the waveforms of three phase supplies or the gate/control signals of semiconductor circuits. It is ideal for investigation of motor speed controls, uninterruptible power supplies, switch mode power supplies and process controllers.

### Specifications

<b>Model</b>	TA041
<b>Attenuation ranges</b>	10:1 / 100:1
<b>Differential Voltage Range</b>	$\pm 70$ V (DC + Peak AC) or 70 V RMS (1/10) $\pm 700$ V (DC + Peak AC) or 700 V RMS (1/100)
<b>Common Mode Voltage Range</b>	$\pm 700$ V (DC + Peak AC) or 700 V RMS (1/10 and 1/100)
<b>Absolute Maximum Voltage (Differential or Common-Mode)</b>	$\pm 1400$ V (DC + Peak AC) or 1000 V RMS CAT III(1/10 and 1/100)
<b>Bandwidth</b>	DC to 25 MHz (-3 dB)
<b>Accuracy</b>	$\pm 2\%$
<b>Rise time</b>	14ns
<b>Input impedance</b>	4 M $\Omega$ / 5.5 pF each side to ground
<b>Power requirements</b>	4 x AA cells or 6 V / 60 mA DC mains adapter