

## PICO MI053 Differential Probe X10 / X100



### Differential oscilloscope probe X10/X100

The MI053 [ADF25A] 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>Attenuation ranges</b>	10:1 / 100:1
<b>Input Voltage</b>	$\pm 70V$ dc Inc Pk (10:1) $\pm 700V$ dc Inc Pk (100:1)
<b>Max differential</b>	ac @ 10:1 or 50V rms Cat III $\pm 700V$ dc Inc Pk ac @ 100:1 or 500V rms Cat III $\pm 2400V$ dc Inc Pk
<b>Bandwidth</b>	dc to 25MHz (-3dB)
<b>Accuracy</b>	$\pm 2\%$
<b>Rise time</b>	14ns
<b>Input impedance</b>	4M Ohm / 5.5pF each side to ground
<b>Power requirements</b>	4 x AA cells or 6V / 60mA dc mains adapter