

- TA131
- TA132
- TA160

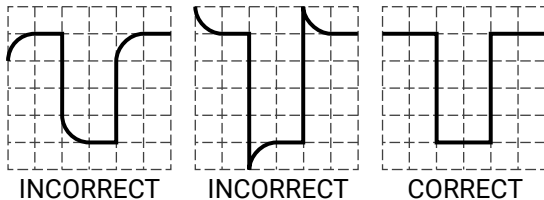
OSCILLOSCOPE PROBE

COMPATIBILITY

This passive high-impedance probe is compensated to work effectively with a specific range of PicoScope oscilloscopes. Please check your PicoScope label to find the correct probe for your oscilloscope. In the head of the probe is a two-position slide switch that allows you to select the attenuation you require: either x1 or x10. In x10 mode you will need to adjust the frequency compensation as shown below to match the individual scope to which the probe is connected. The small box next to the BNC plug contains adjustments for high-frequency trimming which have been factory set to match a range of PicoScopes and should not require adjustment.

FREQUENCY COMPENSATION ADJUSTMENT

Connect the probe to an oscilloscope and a 1 kHz square wave source. Slide the attenuation switch on the probe to the x10 position. Set the oscilloscope to display two to three cycles and two to six vertical divisions. Carefully adjust the compensation trimmer on the head of the probe until the waves displayed on the oscilloscope are perfectly square.



CAUTION

To avoid electric shock, do not use this probe for mains (line-power) measurements.

SPECIFICATIONS

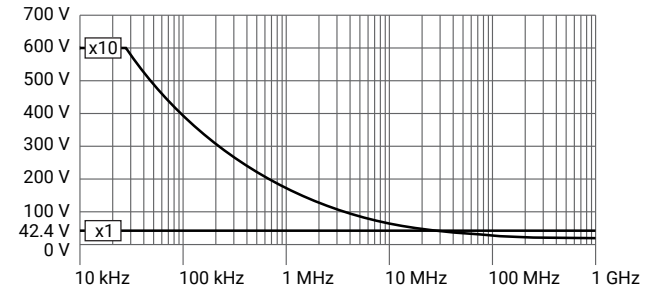
Model	TA131 and TA160		TA132	
	x1	x10	x1	x10
Attenuation ratio	x1	x10	x1	x10
Bandwidth (MHz)	10	250	10	150
Rise time (ns)	35	1.4	35	2.33
Input resistance (MΩ)*	1	10	1	10
Input capacitance (pF)	57†	15	57†	15
Compensation range (pF)	-	10-35	-	10-35
Working voltage, DC + peak AC (V)	42.4	600	42.4	600
Safety	Conforms to IEC-61010			
Cable length (m)	1.2			

* x1: 1 MΩ input resistance direct to oscilloscope input.

x10: 10 MΩ when used with oscilloscopes with 1 MΩ input.

† plus oscilloscope capacitance

VOLTAGE DERATING CURVE



Technology

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