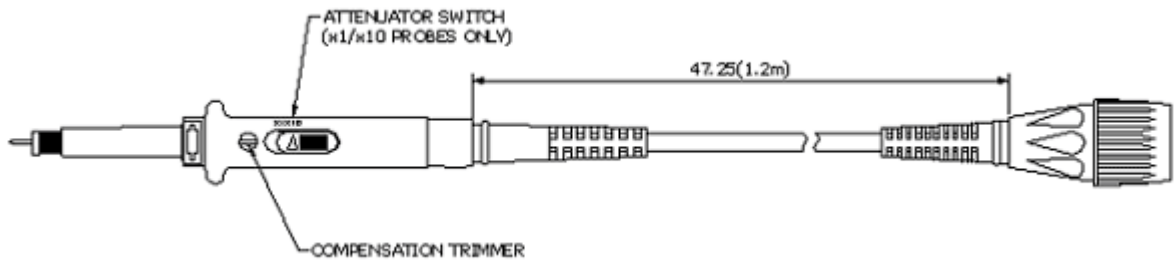


PASSIVE PROBE (TEXAS-xx/I series)



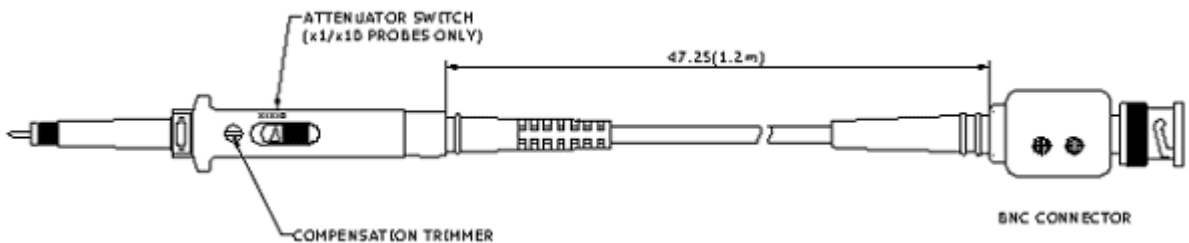
TEXAS20/I, TEXAS40/I, TEXAS60/I, TEXAS100/I

- Texas's latest design of Passive Oscilloscope Probes feature a one piece (monolithic) design for robust probe life
- Probe bandwidth ratings are specified as system bandwidth. System bandwidth includes both probe and oscilloscope together as a system. The result is a probe frequency response that essentially can be considered transparent.
- Full set a accessories are included with each probe.
- All probes meet IEC1010-2-031, 600Vpp, CATII



TEXAS xx/I Series

Model#:	Attenuator	System Bandwidth (3dB)MHz:	System Rise-time (ns)	Compensation Range (pf):	Voltage Max. (Note2)	Input Res. (MΩ)	Input Cap. (Pf):	GND Ref:
TEXAS20/I	X1/X10	15/20	23.3/17.5	10-60	600	1/10	60/15	X
TEXAS40/I	X1/X10	15/40	23.3/8.75	10-60	600	1/10	60/15	X
TEXAS60/I	X1/X10	15/60	23.3/5.8	10-60	600	1/10	57/12	X
TEXAS100/I	X1/X10	15/100	58/3.5	10-60	600	1/10	50/15	X



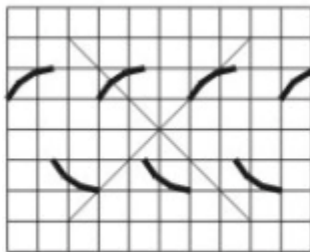
TEXAS150/I, TEXAS200/I, TEXAS250/I TEXAS xx/I Series

Model#:	Attenuator	System Bandwidth (3dB)MHz:	System Rise-time (ns)	Compensation Range (pf):	Voltage Max. (Note2)	Input Res. (MΩ)	Input Cap. (Pf):	GND Ref:
TEXAS150/I	X1/X10	10/150	35/2.33	5-30	600	1/10	82/12	X
TEXAS200/I	X1/X10	10/200	35/1.75	5-30	600	1/10	53/10	X
TEXAS250/I	X1/X10	10/250	35/1.4	5-30	600	1/10	57/10	X

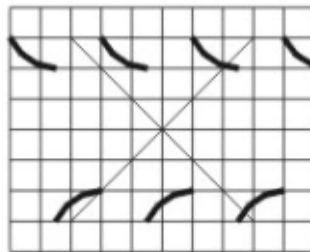
Low Frequency Trimmer Adjustment:

Low frequency response can be matched to the oscilloscope by adjusting the compensation trimmer head of probe.

1. Connect the probe to the oscilloscope and to a 1KHz. Square wave source, the rise time should not exceed 10 microseconds (most oscilloscopes provide a probe compensation output). For X1/X10 probes, switch to the X10 position.
2. Set the oscilloscope to display two to three cycles and two to six vertical divisions.
3. Carefully adjust the trimmer tool to obtain the flattest tops to the square waves displayed on the oscilloscope, see illustrations

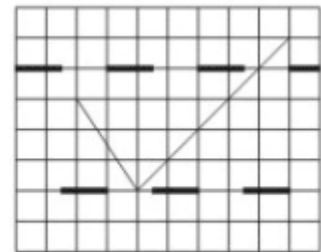


INCORRECT



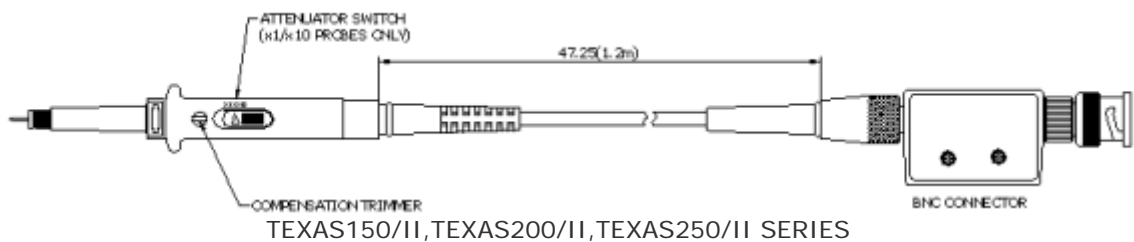
INCORRECT

LF COMPENSATION



CORRECT

PASSIVE PROBE (TEXAS-xx/II series)



TEXAS xx/I Series

Model#:	Attenuator	System Bandwidth (3dB)MHz:	System Rise-time (ns)	Compensation Range (pf):	Voltage Max. (Note2)	Input Res. (M Ω)	Input Cap. (Pf):	GND Ref:
TEXAS150/II	X1/X10	10/150	35/2.33	5-30	600	1/10	60/12	X
TEXAS200/II	X1/X10	10/200	35/1.75	5-30	600	1/10	60/12	X
TEXAS250/II	X1/X10	10/250	35/1.4	5-30	600	1/10	60/12	X

NOTE:

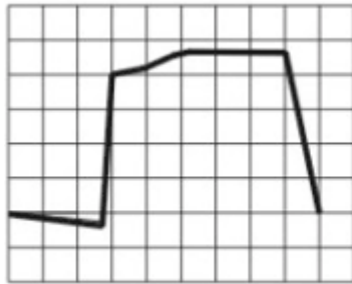
- 1.) Measurements based on 1M ohm, 20 pf. Oscilloscope.
- 2.) Maximum probe input voltage is limited to the lesser of 600Vpp
- 3.) Model TEXAS150/I, TEXAS200/I, TEXAS250/I, TEXAS150/II, TEXAS200/II, TEXAS250/II probes have two adjust resistance o connector. If your probe must be to adjust, please take it to careerman for assistance.
- 4.) Model TEXAS150/I, TEXAS200/I, TEXAS250/I, TEXAS150/II, TEXAS200/II, TEXAS250/II, measurement based on 1Mohm, 18 oscilloscope

High Frequency Trimmer Adjustment:

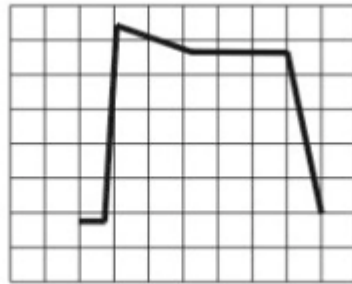
(Model TEXAS150/I, TEXAS200/I and TEXAS250/I, TEXAS150/II, TEXAS200/II, TEXAS250/II)

The high frequency compensation has been pre-adjusted at the factory, however if adjustment is require the following procedure.

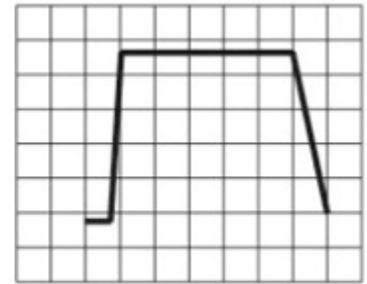
1. The high frequency compensation box cover located near the connector, Use the BNC adapter, connected the probe to a square wave generator operating between 10 to 100KHz terminated into 50ohms. The square wave generator rise time should be approximately .125ns. Adjust each control until the leading edge of the waveform is as flat, square and horizontal as possible
2. (see high frequency illustrations). *The best take it to careerman for assistance.*
3. Readjust the low frequency compensation if necessary.



INCORRECT



INCORRECT

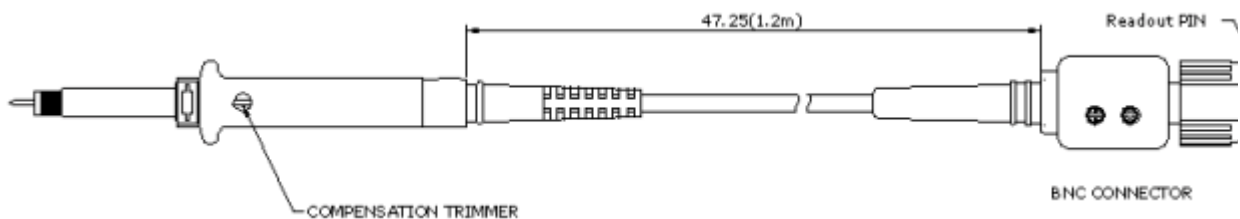


CORRECT

HIGH FREQUENCY COMPENSATION

READOUT PASSIVE - PROBE

Alphanumeric information displayed on an oscilloscope screen to provide waveform scaling information, measurement results, or other information. The kind of probe is designed for oscilloscope with readout function. Fixed attenuator rate: X10,. High frequency and low frequency compensation trim. System Bandwidth up to 300MHz



TX5100 Series

TX5100 series Readout Passive-probe

Model#:	Attenuator	System Bandwidth (3dB)MHz:	System Rise-time(ns)	Compensation Range (pf):	Voltage Max. (V)	Input Res. (MΩ)	Input Cap. (Pf):	GI R
TX5115	X10	150	2.33	5-30	600	10	15	
TX5120	X10	200	1.75	5-30	600	10	15	
TX5125	X10	250	1.4	5-30	600	10	12	
TX5130	X10	300	1.16	5-30	600	10	15	