

SPECIFICATIONS:

MODEL	350MHz□	400MHz□	450MHz□	500MHz☑
Attenuation Ratio	X10	X10	X10	X10
Bandwidth (MHz)	350	400	450	500
Rise-time(ns)	1	0.875	0.77	0.7
Input Resistance	10M	10M	10M	10M
Input Capacitance	11pF	11pF	11pF	11pF
Compensation Range	10-35pF	10-35pF	10-35pF	10-35pF
Working Voltage	300VDC+pk.AC	300VDC+pk.AC	300VDC+pk.AC	300VDC+pk.AC
Safety	Conformed IEC-61010 CATII			
Cable Length	1.35M			

OSCILLOSCOPE PROBE USER'S MANUAL

- TX6235R
- TX6240R
- TX6245R
- TX6250R

TEXAS

HONG KONG-TEXAS CO., LTD

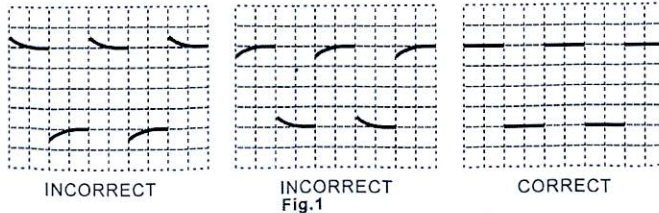
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INTRODUCTION

This passive high impedance oscilloscope probe designed and calibrated for use on instruments having an input impedance of 1M Ohm shunted by 15 pF. However, it may be compensated for use with instruments have an input capacitance of 10-35pF. Behind the cover of the box located near the BNC are three trimmers for high-frequency compensation adjustment. *Consult a professional engineer for assistance with these.*

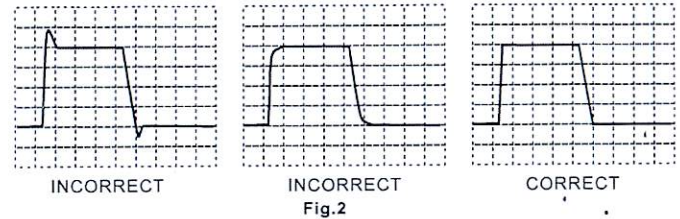
LOW-FREQUENCY COMPENSATION ADJUSTMENT

Low frequency response can be matched to the oscilloscope by adjusting the compensation trimmer on the head of the probe. Connect the probe to the oscilloscope and to a 1KHz square wave source. For X10 probes, Set the oscilloscope to display two to three cycles and two to six vertical divisions. Carefully adjust the trimmer tool to obtain the flattest tops to the square waves displayed on this oscilloscope, see follow illustrations.



HIGH-FREQUENCY COMPENSATION ADJUSTMENT

The high-frequency compensation box is located near the BNC connector. Using a BNC adapter, connect the probe to a square wave generator operating between 10kHz to 1Mhz and 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.



VOLTAGE DERATING CURVE

