

## INTRODUCTION

The W201 and W202 is a passive high impedance Oscilloscope Probe designed and calibrated for use on Writig Technologies Digital Storage Oscilloscopes W2000 Series, having an input impedance of  $1M\Omega$  shunted by 15pF. The input capacitance can be compensated from 10pF to 50pF. Within the box cover located near the BNC (W202 Probe) or on the probe body near the tip (W201 Probe) trimmers can be adjusted to fit the low frequencies.

## SAFETY INSTRUCTIONS

This probe must only be used by personal are trained, experienced, or otherwise qualified to recongnize hazardous situations and who are trained in the safety precautions that are necessary to avoid possible injury when using such a device.

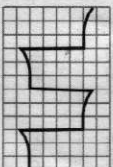
Do not work alone when measuring with high voltage circuits. For your own safety, inspect the probe for damages before usage. If any defect found, **DO NOT USE THIS PROBE.**

Hands, shoes, floor and working bench must be dry. Avoid making measurements under humid, damp or other environmental conditions that might affect the safety of the measurement situation. Always turn the high voltage source off before connecting or disconnecting the probe.

The probe body should be kept clean and free of any conductive contamination. Refer to the section on cleaning for more informations.

## COMPENSATION AND ADJUSTING THE PROBE

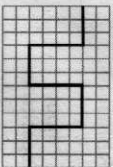
Low frequency response can be matched to the oscilloscope by adjusting the compensation trimmer on the probe body. Connect the probe to the oscilloscope and to the 1KHz square waveform source on the front panel of the scope. Press the oscilloscope's **Auto Scale** key to optimize the displayed signal source. Carefully adjust the trimmer with the screw driver tool supplied to obtain a flat good looking signal, see instructions below.



Incorrect



Incorrect



Correct

## VOLTAGE DERATING CURVE

