T Y P E 9 5 3 0

L O W C A P A C I T A N C E P R O B E

This 9530 Low Capacitance Probe is designed for use in conjunction with Model OP-51G Oscilloscope, and allows the observation of waveforms with little influence on the circuit under test, and especially useful in tests on the high frequency circuit.

SPECIFICATION

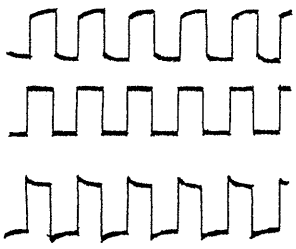
Size	Diameter 18 mm, length 125 mm
Weight	Approx. 150 grams
Connector	5/8"-27
Input Resistance (1)	Approx. 10 megohms
Input Capacitance (1)	Approx. 10 pF
Attenuation (1)	-20 db ±1 db.
Maximum Input	DC component ±250 volts maximum AC component 700 volts p-p maximum

Note (1) When used with Model OP-51G Oscilloscope

ADJUSTMENT AND USE

Prior to use, it is necessary to check the frequency response of the probe, and if necessary, to adjust a trimmer capacitor inside the probe. In this adjustment, a square-wave generator is used. Connecting GND clip of the probe to ground terminal of the generator, and the tip to the output of the generator, a waveform is obtained on the screen of oscilloscope. Trimmer capacitor is then adjusted as illustrated below:

Wavefrom on the Screeen



Capacitance of trimmer too low

When properly adjusted.

Capacitance of trimmer too high

Un using this probe, GND clip is connected to the chassis or common side of the circuit under test. Then, the tip is contacted at any point to be measured.

SCHEMATIC