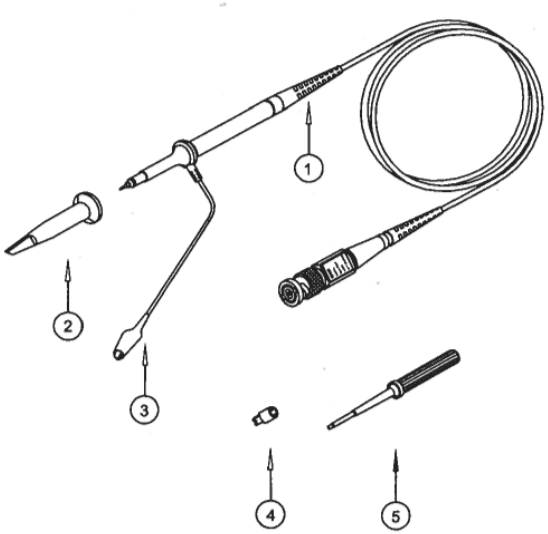
User Manual

EXTECH® INSTRUMENTS
A FLIR COMPANY

Oscilloscope Probe

MODEL TL620



1. Probe Rod
2. Probe Tip
3. Ground Lead
4. Tip Locating Sleeve
5. Adjustment Tool

Specifications

Attenuation	X1, X10
Input Resistance	X1: 1MΩ±2%, X10: 10MΩ±2%
Input Capacitance	X1: 85pF to 115pF, X10: 18.5pF to 22.5pF
Compensation Range	15pF to 40pF
Bandwidth	X1: DC to 6MHz, X10: DC to 60Mhz/100MHz/200Mhz
Maximum Input Voltage	X1: <200VDC + Peak AC X10: <600VDC + Peak AC
Cable Length	120cm (47”)
Weight	55g (0.15lb)
Operating Temperature	-10°C to 50°C (14F to 122°F)
Storage Temperature	-20°C to 75°C (-4F to 167°F)
Humidity	<85% RH

Low Frequency Probe Compensation

Before taking any measurements using the probe, first check the compensation and adjust it to match the channel inputs. Most oscilloscopes have a square wave reference signal available at a terminal on the front panel used to compensate the probe. Connect the probe to the signal source to display a 1kHz test signal on the oscilloscope. Adjust the trimmer “L” until the signal displays a flat-top square wave.