Accessories and Features

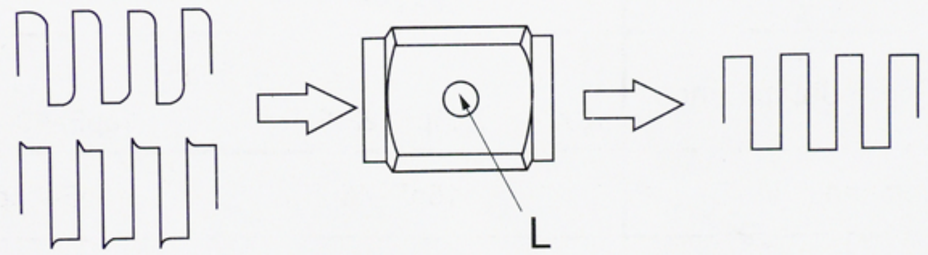
P6000 is provided with several accessories designed to make probing and measurement a simpler task. Please task a moment to familiarize yourself with these accessories and their uses.

TYPE	P6020 P6040 P6060 P6100 P6150 P6200
Attenuation Ration	1X/10X
Input Resistance	1MΩ:10 MΩ
Input Capacitance	1X: 85pF–135pF 10X: 18.5pF–22.5pF 16pF–20pF
Compensation Range	15pF–45pF 10pF–35pF
Bandwidth	1X: DC 6MHz 10X:DC 20MHz 40MHz 60MHz 100MHz 150MHz 200MHz
Rise Time	1X: ≤58ns 10X: ≤17.5ns ≤8.75ns ≤5.8ns ≤3.5ns ≤2.3ns ≤1.75ns
Working Voltage	1X: ≤300V DC 10X: ≤600V DC
Net Weight	64g
Cable length	120cm
Operating Non–operating	–10℃–– +50℃ –20℃–– +75℃
Humidity	≤85% relative humidity

Low–Frequency probe Compensation

Before taking any measurements using a probe, first check the compensation of the probe 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 1 KHz test signal on your oscilloscope.

Adjust trimmer L until see a flat–top square wave on the display.



Maximum Working Voltage Derating Curve (VDC+Peak AC)