

Accessories and Features

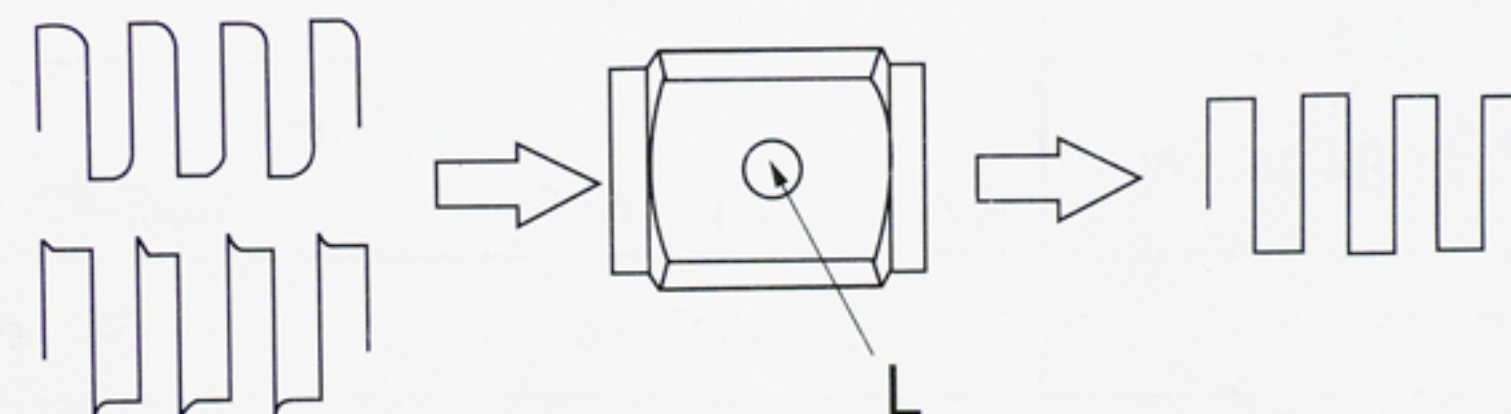
P6000 is provided with several accessories designed to make probing and measurement a simpler task. Please take a moment to familiarize yourself with these accessories and their uses.

TYPE	P6020 P6040 P6060 P6100 P6150 P6200
Attenuation Ratio	1X/10X
Input Resistance	1M Ω :10 M Ω
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: ≤ 58 ns 10X: ≤ 17.5 ns ≤ 8.75 ns ≤ 5.8 ns ≤ 3.5 ns ≤ 2.3 ns ≤ 1.75 ns
Working Voltage	1X: ≤ 300 V DC 10X: ≤ 600 V DC
Net Weight	64g
Cable length	120cm
Operating Non-operating	-10 $^{\circ}$ C-- +50 $^{\circ}$ C -20 $^{\circ}$ C-- +75 $^{\circ}$ C
Humidity	$\leq 85\%$ 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)

