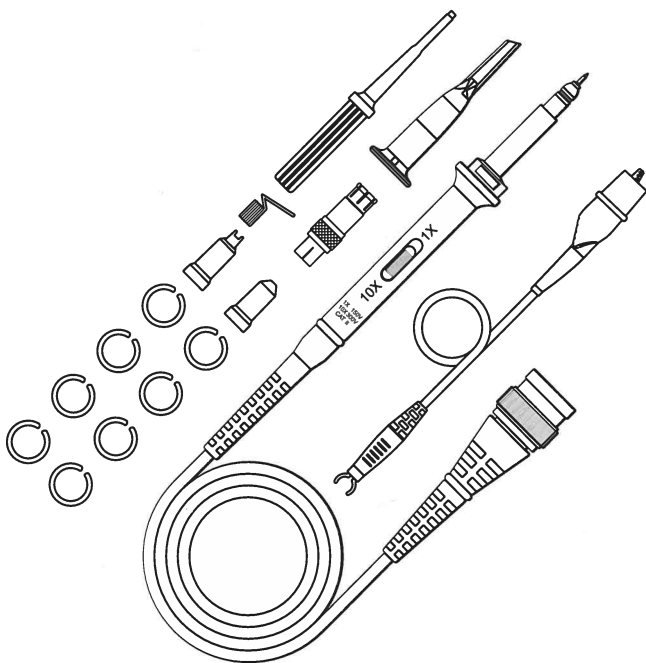


User's Guide

- ☐ P7100 100MHz
- ☐ P7200 200MHz
- ☐ P7300 300MHz



P7000 1X&10X Oscilloscope Passive Probe



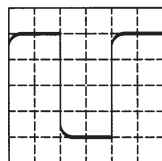
SGS

CE

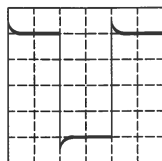


Frequency Compensation

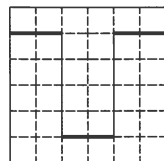
Before taking any measurements using a probe, first check the compensation of the probe and adjust it to match the channel inputs. Most oscilloscopes have a square wave reference signal available at a terminal on the front panel used to compensate the probe. Connect the probe to the signal source on your oscilloscope. Set the probe to 10X position. Adjust trimmer until seeing flat-top square wave on the display.



Incorrect

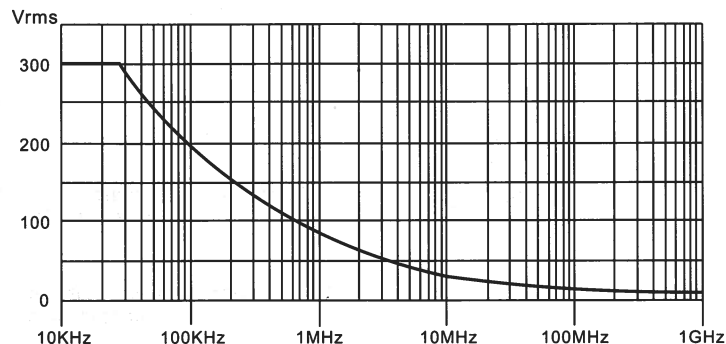


Incorrect



Correct

Voltage vs Frequency Rating Curve(RMS)

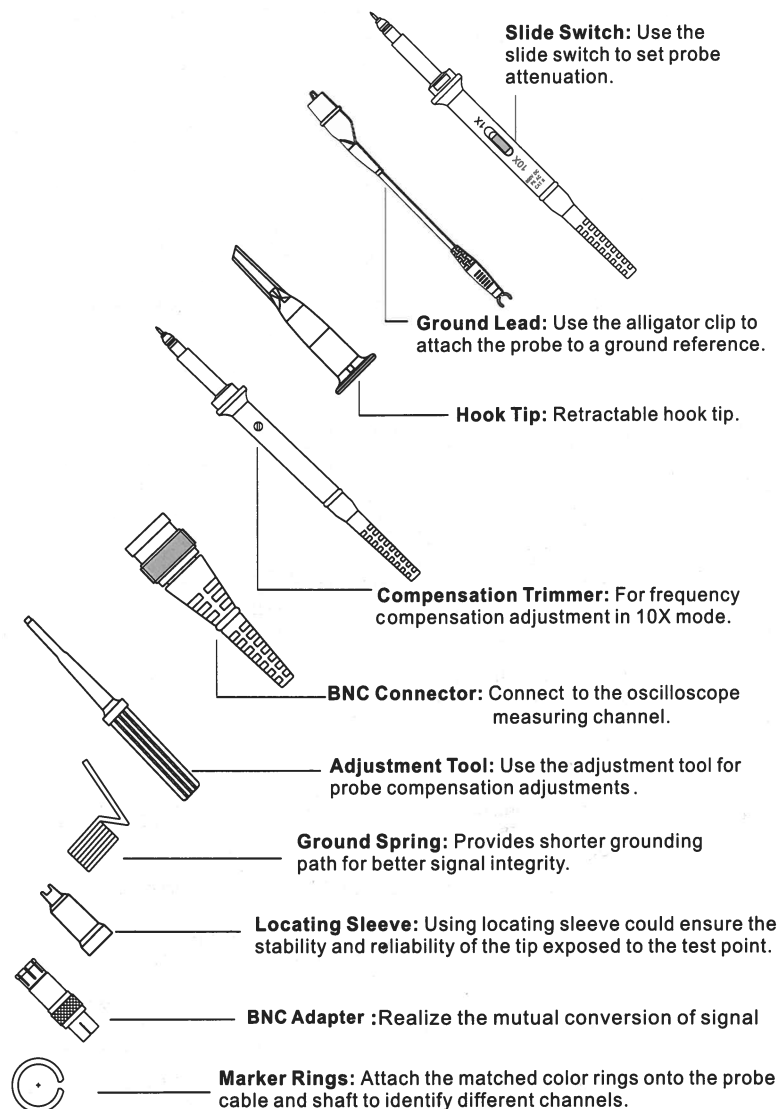


CAT II IEC measurement category II is for measurements performed on circuits directly connected to low voltage installations. Examples are measurements on household appliances, portable tools and similar equipment.

-  Equipment fully protected by DOUBLE INSULATION or REINFORCED INSULATION.
-  Review this user manual carefully to avoid any personal injury or damage to this product and any product connected to it. To avoid potential hazards, use this product only as specified.
-  The measurement category of a combination of a PROBE ASSEMBLY and an accessory (an auxiliary to the measurement) is the lower of the measurement categories of the PROBE ASSEMBLY and of the accessory.
-  Follow the instructions to use the PROBE ASSEMBLY will impair or ruin its self-owned protection function.

Accessories and Features

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



Probe Characteristics			
Model	P7100	P7200	P7300
Attenuation Ratio	1X&10X		
Bandwidth	100MHz	200MHz	300MHz
Rise time	3.5ns	1.75ns	1.15ns
Input Resistance	1M Ω /10M Ω ±2%		
Input Capacitance	1X:85pF~120pF		
	10X:18.5pF~22.5pF		
Max. Input Voltage	1X:150V RMS CAT II&10X:300V RMS CAT II		
Compensation Range	10pF~35pF		8pF~25pF
Operation Temperature	-10℃~+55℃		
Humidity	-40℃ or below ≤90% +41℃ to +50℃ ≤60%		
Altitude	Operating 3000m Nonoperating 15000m		
Cable Length	130±2cm		
Weight	About 55g		
Safety	IEC61010-031		

Accessory Kit		
Item	Description	Quantity
1	Retractable Hook Tip	1
2	Adjustment Tool	1
3	Locating Sleeve	2
4	Marker Rings	8
5	Ground Lead	1
6	Ground Spring(Above 100MHz)	1
7	BNC Adapter(Above 200MHz)	1

Note:
content of this document are subject to change without notice.