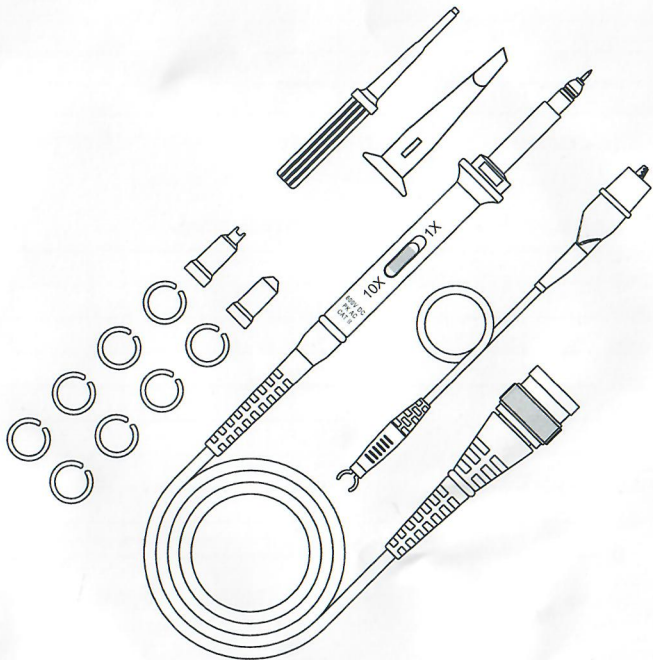


User's Guide

PB470 70MHz

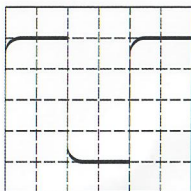


1X&10X Oscilloscope Probe

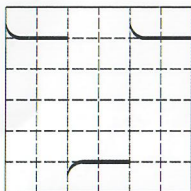
CE

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

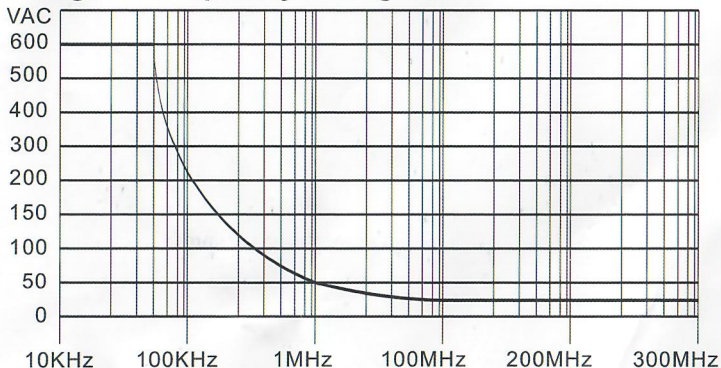





Incorrect



Correct

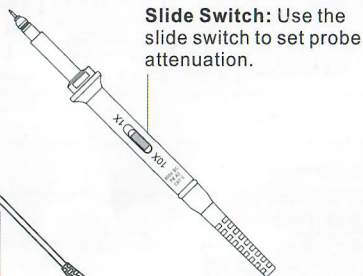
Voltage vs Frequency Rating Curve



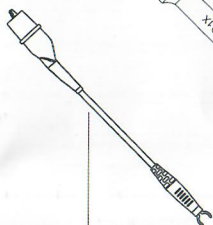
-  Review this user manual carefully to avoid injury and prevent damage to this product or any products connected to it. To avoid potential hazards, use this product only as specified.
-  The measurement category of a combination of a PROBE ASSEMBLY and an accessory is the lower of the measurement categories of the PROBE ASSEMBLY and of the accessory.
-  If the PROBE ASSEMBLY is used in a manner not specified by the manufacturer, the protection provided by the PROBE ASSEMBLY may be impaired.

Accessories and Features

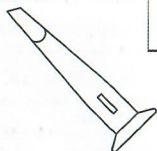
Probe is provided with several accessories designed to make probing and measurement simpler. Please take a moment to familiarize yourself with these accessories and their uses.



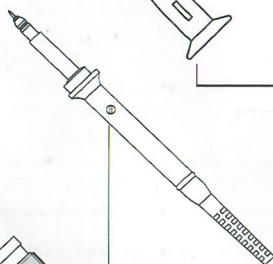
Slide Switch: Use the slide switch to set probe attenuation.



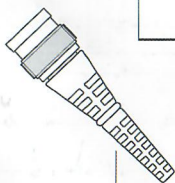
Ground Lead: Use the alligator clip to attach the probe to a ground reference.



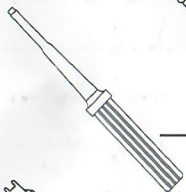
Hook Tip: Retractable hook tip.



Compensation Trimmer: For frequency compensation adjustment in 10X mode.



BNC Connector: Connect to the oscilloscope measuring channel.



Adjustment Tool: Use the adjustment tool for probe compensation adjustments.



Locating Sleeve: Using locating sleeve could ensure the stability and reliability of the tip exposed to the test point.



Marker Rings: Attach the matched color rings onto the probe cable and shaft to identify different channels.

Probe Characteristics	
Model	PB470
Bandwidth	70MHz
Rise time	5ns
Attenuation Ratio	1X&10X
Input Resistance	1M Ω /10M Ω ±2%
Input Capacitance	14pF
Maximum Input	1X:300V&10X:600V Working Voltage(V _{p-p})
Compensation Range	10pF~35pF
Operation Environment	0~50°C , 0~80%RH
Storage Environment	-20~60°C , 0~90%RH
Size	130±2cm
Weight	About 52.5g

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

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