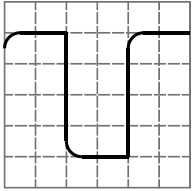
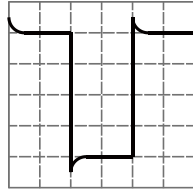


## Frequency Compensation

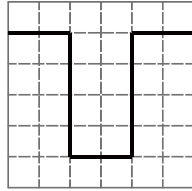
Before taking any measurements using a probe, first check the compensation of the probe and adjust it to match the channel inputs. Most oscilloscopes have a square wave reference signal available at a terminal on the front panel used to compensate the probe. Connect the probe to the signal source on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



**Incorrect**

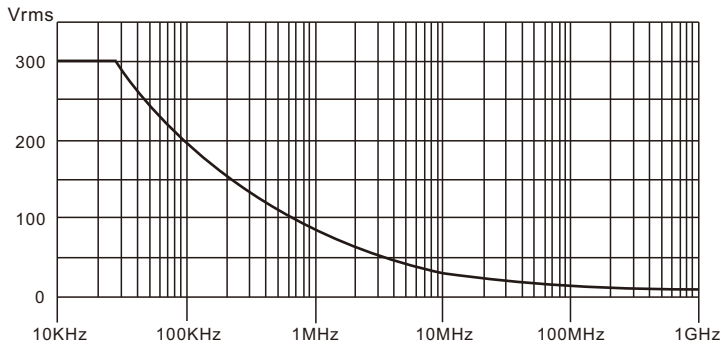


**Incorrect**



**Correct**

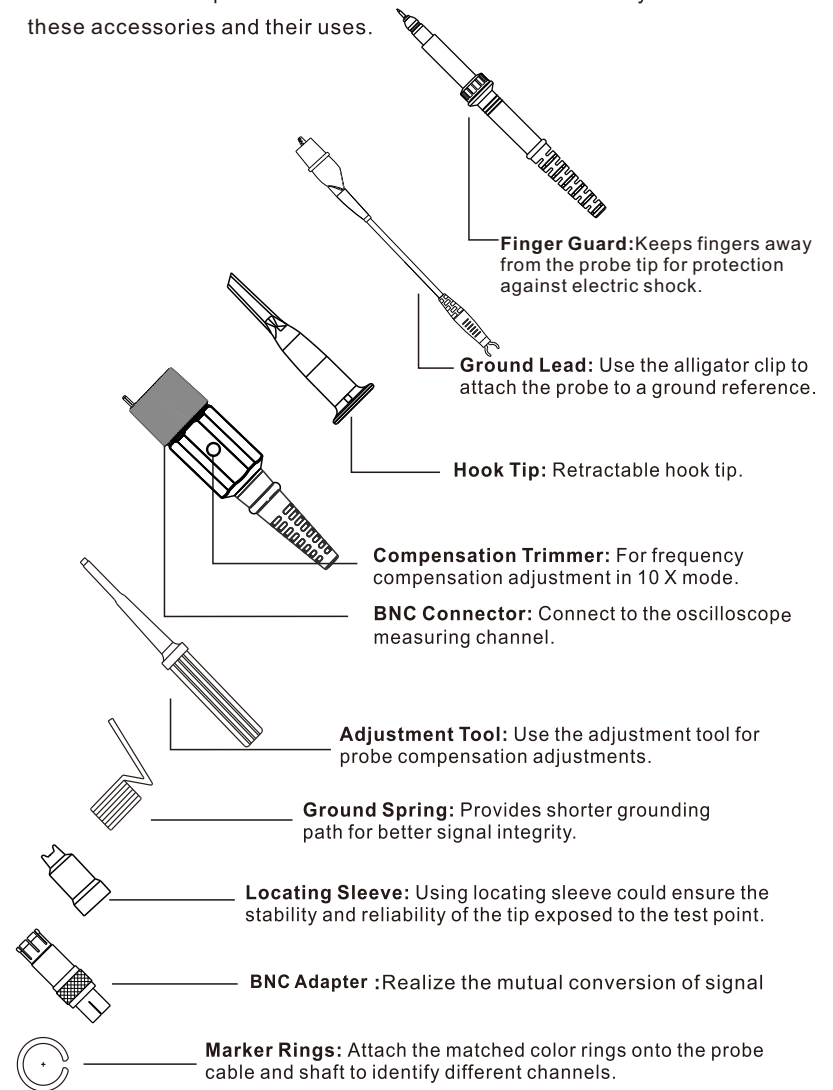
## Voltage vs Frequency Rating Curve(RMS)



- ⚠ 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

The 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.



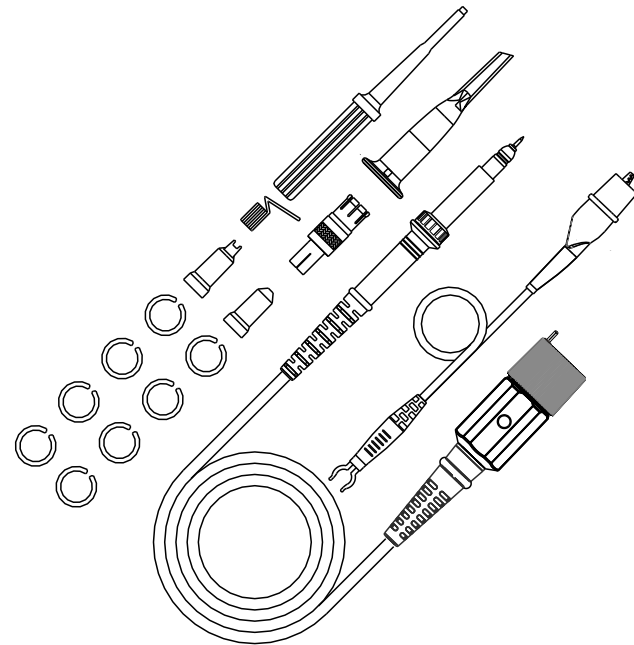
Probe Characteristics		
Model	SP5035A	SP5050A
Attenuation Ratio	10X	10X
Bandwidth	350MHz	500MHz
Rise time	1ns	0.7ns
Input Resistance	10MΩ±2%	
Input Capacitance	12pF	
Max. Input Voltage	10X:300V RMS CAT II	
Compensation Range	12pF~22pF	
Operation Temperature	-10°C~+55°C	
Humidity	-40°C or below ≤90% +41°C to +50°C ≤60%	
Altitude	Operating 3000m Nonoperating 15000m	
Cable Length	130cm±2cm	
Weight	About 55g	
Safety	IEC61010-031	

Accessory Kit		
Item	Description	1PC/ 
1	Retractable Hook Tip	1
2	Adjustment Tool	1
3	Locating Sleeve	2
4	Marker Rings	8
5	Ground Lead	1
6	Ground Spring	1
7	BNC Adapter	1

Note:  
content of this document are subject to change without notice.  
Version 2019 1.0

# User's Guide

- SP5035A 350MHz
- SP5050A 500MHz



## SP5000A 10X Oscilloscope Probe

