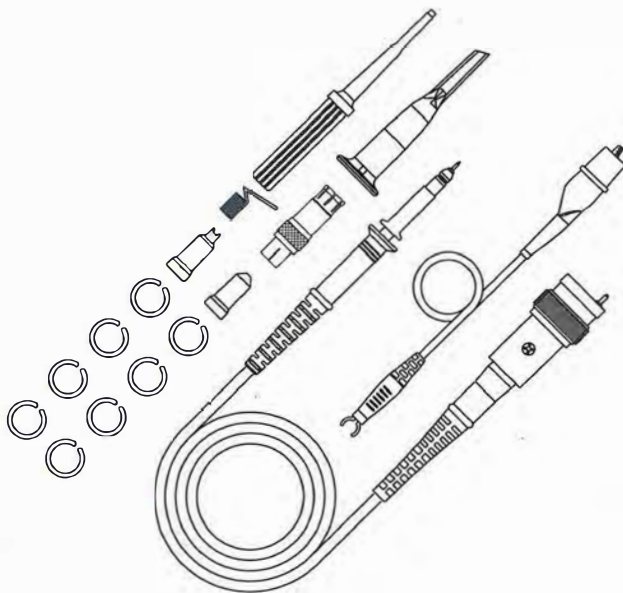


# User's Guide

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SP2035A 350MHz



**SP2035A 10X Oscilloscope Probe**

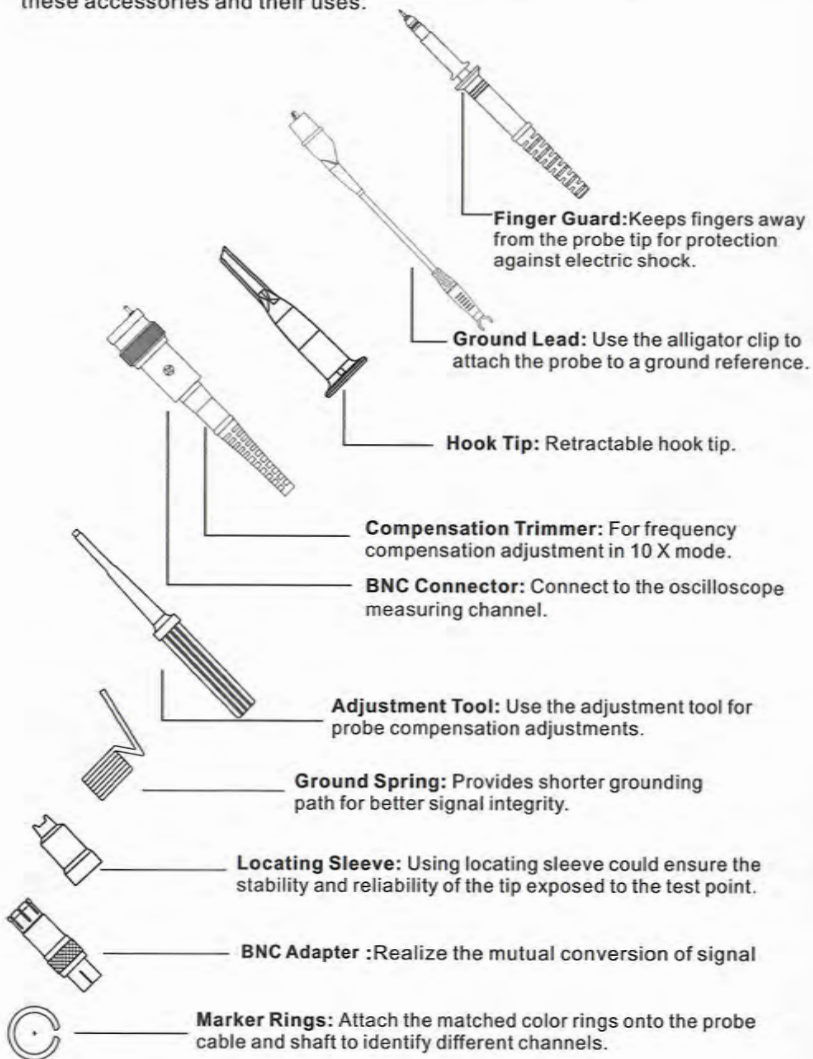


**SGS**



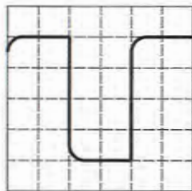
## Accessories and Features

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.

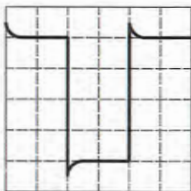


## Frequency Compensation

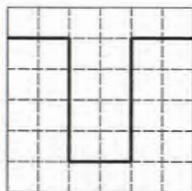
Before taking any measurements using a probe, first check the compensation of the probe and adjust it to match the channel inputs. Most oscilloscopes have a square wave reference signal available at a terminal on the front panel used to compensate the probe. Connect the probe to the signal source on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



**Incorrect**

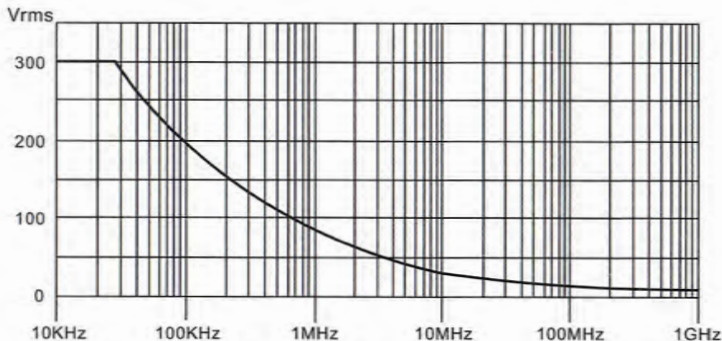





**Incorrect**



**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.

|                              |   |
|------------------------------|---|
| <b>Attenuation Ratio</b>     | 10X                                     |
| <b>Bandwidth</b>             | 350MHz                                  |
| <b>Rise time</b>             | 1ns                                     |
| <b>Input Resistance</b>      | 10M $\Omega$ ±2%                        |
| <b>Input Capacitance</b>     | 12pF                                    |
| <b>Max. Input Voltage</b>    | 10X:300V RMS CAT II                     |
| <b>Compensation Range</b>    | 9pF~25pF                                |
| <b>Operation Temperature</b> | -10°C~+55°C                             |
| <b>Humidity</b>              | -40°C or below ≤90% +41°C to +50°C ≤60% |
| <b>Altitude</b>              | Operating 3000m Nonoperating 15000m     |
| <b>Cable Length</b>          | 130cm±2cm                               |
| <b>Weight</b>                | About 55g                               |
| <b>Safety</b>                | IEC61010-031                            |

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

**Note:**

content of this document are subject to change without notice.

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