

Important Notice

10:1 Scope Probe Upgrade from U1561A to U1561B

The information in this addendum is provided to improve your experience with Keysight products. The 10:1 scope probe has been upgraded from U1561A to U1561B for the Keysight U1600A/B Series handheld digital oscilloscope.

Improvements of the U1561B scope probe

The U1561B enhanced performance caters for a larger bandwidth and a higher safety rating. The following comparison table details the enhancements of the U1561B over the U1561A.

Table 1 Comparison between U1561A and U1561B

Feature	U1561A	U1561B
Probe ratio	X10:1	X10:1
Attenuation	10x	10x
Safety (frequency-dependent)	CAT III 600 V	CAT III 1000 V
Frequency range	250 MHz	500 MHz
Input resistance	10 M Ω	10 M Ω
Input capacitance	16 pF + Compensation range 10 pF to 35 pF	12 pF + Compensation range 10 pF to 25 pF (center at 15pF)
Rise time	<1.2 ns	<1 ns
Operating altitude	3000 m	3000 m
Probe tip	CAT III 600 V	CAT III 1000 V
Hook clip for probe tip	CAT III 600 V	CAT III 1000 V, CAT IV 600 V
Ground lead with clip or hook clip	CAT III 600 V	CAT III 1000 V
Cable length	1.2 m	1.2 m

Compensation using the U1561B scope probe

The trimmer capacitor is located at the BNC terminal at the end of the probe as shown in [Figure 1](#). Use the non-metallic tool provided together with the scope probe to adjust the trimmer capacitor on the scope probe until the oscilloscope shows a proper square wave as shown in [Figure 2](#).

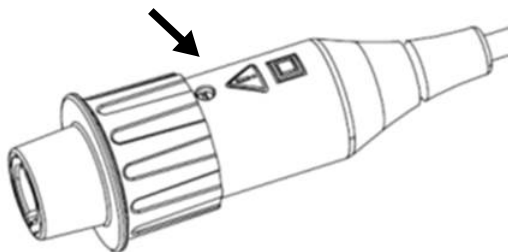


Figure 1 Trimmer capacitor

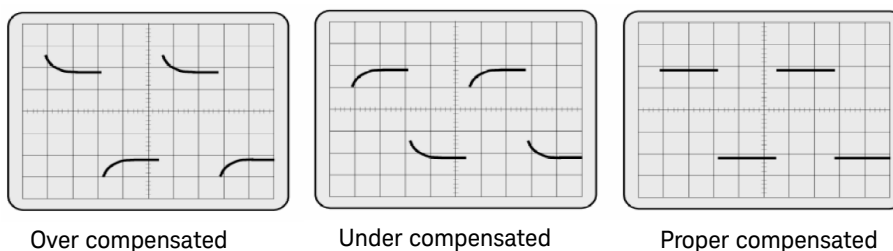


Figure 2 Pulse shape reference for scope probe compensation

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