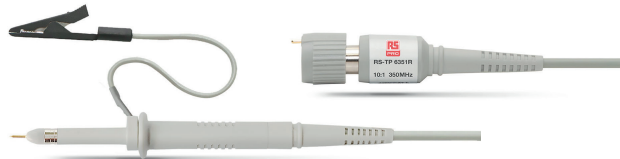




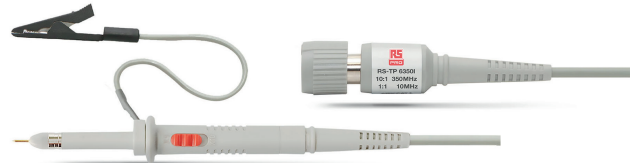
# 5 mm Diameter Oscilloscope Probes



ENGLISH



Type	RS Part-No.:	Attenuation	Loading Input		Bandwidth (MHz)	Rise Time (ns)	Compensation Ratio (pF)	Readout Function
			R (M $\Omega$ )	C (pF)				
RS - TP 6351R	1799558	10:1	10	12	350	< 1	10-30	✓
RS - TP 6500R	1799557	10:1	2,2	12	500	< 0,7	6-15	✓



Type	RS Part-No.	Attenuation	Loading Input				Bandwidth (MHz)		Rise Time (ns)		Compensation Ratio (pF)
			R (M $\Omega$ )	10:1	1:1	10:1	1:1	10:1	1:1	10:1	
RS - TP 6350I	1799556	1:1 / 10:1	1	10	68	13	10	350	< 35	< 1	10-30

Cable length 1,3 m

All specifications are subject to change without notice!

@ 10:1 max. input voltage 400 Vrms Measuring Category II derating with frequency!

@ 1:1 max. input voltage 55 Vrms Measuring Category II derating with frequency!

FOR MORE INFORMATION VISIT [www.rs-components.com](http://www.rs-components.com)



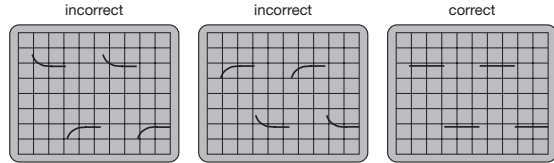
IEC61010-031:2015

### Probe Compensation

Proper compensation of the probe is required to assure amplitude accuracy of the waveform being measured by matching the probe to the oscilloscope's input capacitance. Compensation should be adjusted whenever the probe is connected to or transferred between oscilloscopes.

### Low Frequency Adjustment

Apply a 1 kHz square wave to the probe or connect to the oscilloscope's calibrator output. Adjust the single LF trimmer located in the BNC Box until you achieve a flat-topped square wave (see figure below).



### High Frequency Adjustment

Connect the probe to a 1 MHz square wave signal (rise time less than 0,7ns).

Remove the two plastic caps from the BNC compensation box.

Adjust left trimmer first then right trimmer until you achieve a flat-topped square wave (see figure below).

