


Oscilloscope probe compatibility


Sensor	Oscilloscope (R&S®)					
	RTH	RTC1000	RTB2000	RTM3000	RTA4000	RTE1000
Passive probes						
R&S®RT-ZP1X, 1:1, 38 MHz, 1 MΩ, 39 pF	U	U	U	U	U	U
R&S®RT-ZP03, 10:1/1:1, 300 MHz/10 MHz, 10 MΩ/1 MΩ, 12 pF/82 pF		S	S	U	U	U
R&S®RT-ZP05S, 10:1, 500 MHz, 10 MΩ, 9.5 pF		U	U	S	U	U
R&S®RTM-ZP10, 500 MHz, 10 MΩ, 9.5 pF		U	U	U	U	U
R&S®RT-ZP10, 10:1, 500 MHz, 10 MΩ, 9.5pF		U	U	U	S	S
R&S®RT-ZI10, 500MHz, 10MΩ, 10:1, 12pF, 600 V CAT IV, 1000 V CAT III	S					
R&S®RT-ZI10C, 500 MHz, 10 MΩ, 10:1, 11 pF, 300 V CAT III	U					
R&S®RT-ZI11, 500 MHz, 10 MΩ, 100:1, 4.6 pF, 600 V CAT IV, 1000 V CAT III	U					
R&S®RT-ZZ80, 8.0 GHz, 500 Ω, 0.3 pF				U	U	U
Single-ended active probes						
R&S®RT-ZS10L, 1 GHz, 1 MΩ, 0.9 pF ¹⁾		U	U	U	U	U
R&S®RT-ZS10E, 1 GHz, 1 MΩ, 0.8 pF				U	U	U
R&S®RT-ZS10, 1 GHz, 1 MΩ, 0.8 pF, R&S®ProbeMeter				U	U	U
R&S®RT-ZS20, 1.5 GHz, 1 MΩ, 0.8 pF, R&S®ProbeMeter				U	U	U
R&S®RT-ZS30, 3 GHz, 1 MΩ, 0.8 pF, R&S®ProbeMeter				U	U	U
R&S®RT-ZS60, 6 GHz, 1 MΩ, 0.3 pF, R&S®ProbeMeter				U	U	U
R&S®RT-ZPR20, 2 GHz, power rail probe, R&S®ProbeMeter				U	U	U
R&S®RT-ZPR40, 4 GHz, power rail probe, R&S®ProbeMeter				U	U	U
Differential active probes						
R&S®RT-ZD02, 200 MHz, 1 MΩ, 3.5 pF ¹⁾		U	U	U	U	U
R&S®RT-ZD08, 800 MHz, 200 kΩ, 1 pF ¹⁾		U	U	U	U	U
R&S®RT-ZD10, 1 GHz, 1 MΩ, 0.6 pF, R&S®ProbeMeter, R&S®RT-ZA15 included				U	U	U
R&S®RT-ZD20, 1.5 GHz, 1 MΩ, 0.6 pF, R&S®ProbeMeter, R&S®RT-ZA15 optional				U	U	U
R&S®RT-ZD30, 3 GHz, 1 MΩ, 0.6 pF, R&S®ProbeMeter, R&S®RT-ZA15 optional				U	U	U
R&S®RT-ZD40, 4.5 GHz, 1 MΩ, 0.4 pF, R&S®ProbeMeter, R&S®RT-ZA15 optional				U	U	U
R&S®RT-ZM15 multi-mode, 1.5 GHz, 400 kΩ, modular, R&S®ProbeMeter						U
R&S®RT-ZM30 multi-mode, 3 GHz, 400 kΩ, modular, R&S®ProbeMeter						U
R&S®RT-ZM60 multi-mode, 6 GHz, 400 kΩ, modular, R&S®ProbeMeter						U
R&S®RT-ZM90 multi-mode, 9 GHz, 400 kΩ, modular, R&S®ProbeMeter						U
R&S®RT-ZMA50 extreme temperature kit for use with R&S®RT-ZMxx						U
R&S®RT-ZA15 external attenuator (± 70 V DC/ ± 46 V AC (V_p)) ²⁾				U	U	U

S	Standard
O	Option
R	Optional, upgradeable at a Rohde&Schwarz service center
U	Optional, user-upgradeable
	Recommended

¹⁾ Probes need 50 Ω input coupling. For oscilloscopes with only 1 MΩ input, a BNC feedthrough adapter is required.

²⁾ R&S®RT-ZA15 comes standard with the R&S®RT-ZD10.

Sensor	Oscilloscope (R&S®)					
	RTH	RTC1000	RTB2000	RTM3000	RTA4000	RTE1000
High voltage passive probes						
R&S®RT-ZH03, 250 MHz, 100:1, 850 V, passive		U	U	U	U	U
R&S®RT-ZH10, 400 MHz, 100:1, 1 kV, passive		U	U	U	U	U
R&S®RT-ZH11, 400 MHz, 1000:1, 1 kV, passive		U	U	U	U	U
High voltage differential probes						
R&S®RT-ZD002, 25 MHz, 10:1 or 100:1, 700 V		U	U	U	U	U
R&S®RT-ZD003, 25 MHz, 20:1 or 200:1, 1.4 kV		U	U	U	U	U
R&S®RT-ZD01, 100 MHz, 100:1 or 1000:1 selectable, 1.4 kV		U	U	U	U	U
R&S®RT-ZHD07, 200 MHz, 25:1 or 250:1, 750 V				U	U	U
R&S®RT-ZHD15, 100 MHz, 50:1 or 500:1, 1.5 kV				U	U	U
R&S®RT-ZHD16, 200 MHz, 50:1 or 500:1, 1.5 kV				U	U	U
R&S®RT-ZHD60, 100 MHz, 100:1 or 1000:1, 6 kV				U	U	U
Current probes						
R&S®RT-ZC02, 20 kHz, 100/1000 A	U	U	U	U	U	U
R&S®RT-ZC03, 100 kHz, 30 A	U	U	U	U	U	U
R&S®RT-ZC05B, 2 MHz, 500 A, R&S®Probe Interface				U	U	U
R&S®RT-ZC10, 10 MHz, 150 A ¹⁾	U	U	U	U	U	U
R&S®RT-ZC10B, 10 MHz, 150 A, R&S®Probe Interface				U	U	U
R&S®RT-ZC15B, 50 MHz, 30 A, R&S®Probe Interface				U	U	U
R&S®RT-ZC20, 100 MHz, 30 A ¹⁾	U	U	U	U	U	U
R&S®RT-ZC20B, 100 MHz, 30 A, R&S®Probe Interface				U	U	U
R&S®RT-ZC30, 120 MHz, 5 A, μ A high sensitivity ¹⁾	U	U	U	U	U	U
Near-field probes						
R&S®HZ-14, 9 kHz to 1 GHz ²⁾	U	U	U	U	U	U
R&S®HZ-15, 9 kHz to 3 GHz ²⁾	U	U	U	U	U	U
R&S®HZ-16, preamplifier for near-field probes	U	U	U	U	U	U
R&S®HZ-17, 30 MHz to 3 GHz ²⁾	U	U	U	U	U	U
Accessories						
R&S®RT-ZA9, N type adapter for R&S®RT-Zxx probes	for use on spectrum and signal analyzer					
R&S®RT-ZA10, SMA adapter				U	U	U
R&S®RT-ZA13, power supply for current probes without R&S®Probe Interface		U	U	U	U	U
Rackmount kit		U	U	U	U	U

S	Standard
O	Option
R	Optional, upgradeable at a Rohde&Schwarz service center
U	Optional, user-upgradeable
	Recommended

¹⁾ Current probes without R&S®Probe Interface require R&S®RT-ZA13 power supply.

²⁾ Probes need 50 Ω input coupling. For oscilloscopes with only 1 M Ω input, a BNC feedthrough adapter is required.