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Data Sheet

August 12, 2026

ROHDE & SCHWARZ

Rohde and Schwarz RT-ZS10 Active Voltage Probe, DC to 1 GHz, Single-Ended

Rohde & Schwarz Laboratory Measurement Instruments. Bandwidth: DC to 1 GHz, Voltage: 8 V DC.



MODEL	CALIBRATION
Rohde & Schwarz RT-ZS10	Available on request
CONDITION	STATUS
Used	In stock
RFQ / SKU	LISTING
RT-ZS10	https://aumictechlabs.com/products/rt-zs10-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Rohde & Schwarz RT-ZS10 is an active, single-ended voltage probe engineered for high-frequency measurements from DC to 1 GHz. It delivers minimal circuit loading through 1 M Ω input impedance and 0.8 pF input capacitance, preserving signal integrity across broadband applications. The probe's 10:1 attenuation factor, $\pm 0.5\%$ attenuation error, and sub-350 ps rise time enable precise characterization of fast transients and high-speed signals. With a propagation delay of 5.5 ns and 1.1 m cable length, it suits both bench and automated test environments. Technical Specifications Bandwidth: DC to 1 GHz Attenuation Factor: 10:1 Input Impedance: 1 M Ω || 0.8 pF Maximum Input Voltage: 8 V DC, 16 V AC, 30 V, ± 8 V (± 12 V offset) Attenuation Error: $\pm 0.5\%$ Rise Time: < 350 ps Propagation Delay: 5.5 ns Cable Length: 1.1 m Connector: Male precision 7 mm BNC plus six pogo pin connectors (R&S probe interface) Key Features Integrated R&S ProbeMeter for high-precision DC voltage measurement Offset compensation for field adjustment Micro button control of oscilloscope functions Low added

noise for high signal integrity Comprehensive accessory set supporting 0.64 mm square pins and 0.6–0.8 mm round pins Compatibility & Integration The RT-ZS10 connects directly to any Rohde & Schwarz base unit featuring the R&S probe interface. Full compatibility extends to RTx Series, TM3000, RTA4000, MXO 4, RTE, RTO6, and RTP Series oscilloscopes. Optional adapters and service kits - including the R&S RT-ZK1 and R&S RT-ZA9 - enable operation with third-party instruments. Standard delivery includes carrying case, accessory vials, user manual, and calibration certificate.

Features & description

From manufacturer datasheet

Features

• Bandwidth: DC to 1 GHz (rise time <350 ps, 10%–90%) • Attenuation: 10:1 • Input: $1\text{ M}\Omega \parallel 0.8\text{ pF}$ • Dynamic range: $\pm 8\text{ V}$ with $\pm 12\text{ V}$ offset; 16 V AC Vpp • Non-destructive input: $\pm 30\text{ V}$ • ProbeMeter error: <0.1% • Propagation delay: 5.5 ns (meas.) • Cable: ~1.2 m • Interface: R&S probe interface; includes accessory set class (RT-ZA2)

RTZS10 Characteristics / Specifications

PARAMETER	VALUE
Model	RT-ZS10
Manufacturer	Rohde & Schwarz
Instrument Type	Single-Ended Active Voltage Probe
Alias	RT-ZS10; R&S RT-ZS10 Electrical
Bandwidth	DC to 1 GHz (rise time <350 ps, 10%–90%)
Rise time	<350 ps
Input R/C	1 MΩ / 0.8 pF
Dynamic range	±8 V with ±12 V offset; 16 V AC Vpp
Attenuation	10:1
Input	1 MΩ 0.8 pF
Non-destructive input	±30 V
ProbeMeter error	<0.1%
Propagation delay	5.5 ns (meas.)
Cable	~1.2 m
Interface	R&S probe interface; includes accessory set class (RT-ZA2)

RTZS10 Specifications

PARAMETER	VALUE
Applications	Ground-referenced active probing to 1 GHz; low circuit loading; ProbeMeter DC measurement; micro-button scope control.
Key Features	- Bandwidth: DC to 1 GHz (rise time <350 ps, 10%–90%)
Technical Specifications	Model: RT-ZS10
Electrical	Bandwidth: DC–1 GHz
Notes	Specs from R&S RT-ZS10/20/30 documentation. Confirm order number and accessories on the unit.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

Specifications

PARAMETER	VALUE
Model	RT-ZS10
Manufacturer	Rohde & Schwarz
Instrument Type	Single-Ended Active Voltage Probe
Alias	RT-ZS10; R&S RT-ZS10

Electrical

Electrical

PARAMETER	VALUE
Bandwidth	DC-1 GHz
Rise time	<350 ps
Input R/C	1 MΩ / 0.8 pF
Dynamic range	±8 V; offset ±12 V

Non-destruct: ±30 V

Notes

Specs from R&S RT-ZS10/20/30 documentation. Confirm order number and accessories on the unit.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.