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Data Sheet

August 13, 2026

ROHDE & SCHWARZ

Rohde and Schwarz UZ RF Power Meter Mainframe

Instrument Type: RF Power / Level Meter Mainframe Alias: R&S UZ; UZ-35; UZ-22; UZ-24; NRVS; URV35 UZ 35 Charger Dimensions: 96 mm x 55 mm x 58 mm Measurement Functions: average power, pulse power, max envelope power, DC and AC voltage (head dependent) Alias: R&S UZ; UZ-35; UZ-22; UZ-24; NRVS; URV35 UZ 35 Charger Dimensions: 96 mm x 55 mm x 58 mm Measurement Functions: average power, pulse power, max envelope power, DC and AC voltage (head dependent) Frequency Span Sensor Dependent: DC to 40 GHz



MODEL

Rohde & Schwarz UZ

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

UZ

LISTING

<https://aumictechlabs.com/products/uz-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Rohde & Schwarz UZ is a wideband noise generator engineered for precision testing and calibration of RF and microwave equipment. It delivers stable, repeatable noise signals essential for accurate measurements and optimization of sensitive electronic systems. The instrument serves research and development, quality assurance, and manufacturing environments across telecommunications, aerospace, defense, and high-technology sectors demanding rigorous RF performance validation. Technical Specifications Frequency Range: Wideband coverage extending from low frequencies (kHz) through millimeter-wave bands (tens or hundreds of GHz), accommodating broad spectral testing requirements. Output Power: Controllable noise output

specified in dBm or as noise power spectral density (dBm/Hz), with adjustable attenuation. Output Impedance: 50 Ohms standard RF impedance. Stability & Flatness: High temporal and thermal stability with specified flatness across the operating frequency range. Modulation Capability: Support for modulated noise outputs and generation of specific noise types including Gaussian noise.

Key Features

- Multi-octave frequency coverage from kHz to millimeter-wave bands
- Adjustable output attenuation for precise signal level control
- Noise figure measurement capability when used with spectrum or noise figure analyzers
- RF connectors (SMA, N-type, or K-type depending on frequency range)
- Remote control via GPIB, USB, or Ethernet interfaces for automated test integration
- Selectable noise generation modes

Typical Applications

- Noise figure characterization of amplifiers and receivers
- RF component performance validation
- System-level sensitivity testing
- Manufacturing quality assurance workflows
- Research and development of communications systems

Compatibility & Integration

- Standard AC power operation. Remote control interfaces enable seamless integration into automated test systems and production environments.
- RF connectivity accommodates standard laboratory test configurations.

UZ Characteristics / Specifications

PARAMETER	VALUE
Intelligent heads	plug in and measure, factory cal in the head, PTB traceable Automatic averaging 4 ms to 25 s or manual DC FREQ input for frequency proportional correction Attenuation compensation plus/minus 200 dB 20 stored setups with write protect
Model	NRVS / URV35 (UZ accessory family)
Manufacturer	Rohde & Schwarz
Instrument Type	RF Power / Level Meter Mainframe
Alias	R&S UZ; UZ-35; UZ-22; UZ-24; NRVS; URV35
NRVS Order Number	1020.1809.02
URV35 Battery Model	1020.0002.02
URV35 AC Model	1020.0002.03
UZ 35 Charger Euro	1020.1709.02 (230 V)
UZ 35 Charger US	1020.1709.04 (120 V)
UZ 35 Charger Dimensions	96 mm x 55 mm x 58 mm
Transit Case NRVS	UZ-24 1029.3379.02
Measurement Functions	average power, pulse power, max envelope power, DC and AC voltage (head dependent)
Frequency Span Sensor Dependent	DC to 40 GHz
Power Span Sensor Dependent	100 pW to 30 W (kW class with high power heads)
Compatible Power Heads	NRV-Z series
Compatible Voltage Heads	URV5-Z series
Example Diode Head NRV Z	10 MHz to 18 GHz, 200 pW to 20 mW, 50 ohm
Example Thermal Head NRV Z	DC to 18 GHz, 1 uW to 100 mW, 50 ohm
Display	4.5 digit LCD plus bargraph
Stored Setups	20
Averaging Time Manual	4 ms to 25 s
Zero Adjust Duration	approximately 4 s

PARAMETER	VALUE
Attenuation Compensation Range	plus/minus 200 dB
Sensor Check Source Frequency	50 MHz crystal
Sensor Check Source Power	1.00 mW, factory plus/minus 0.7 percent
Remote Control	IEC 625 / IEEE 488 (SH1 AH1 T6 L4 SR1 RL1 DC1 DT1 PP0)
NRVS Mains	115 V or 230 V, 47 to 63 Hz (440 Hz on 115 V), 13 VA
NRVS Dimensions	219 mm x 103 mm x 350 mm
NRVS Weight	3.2 kg
Rack Adapter	ZZA-97
URV35 RF Shielding	high, for near field antenna work
Head Calibration	individual, temperature sensor in head
Readout Units	absolute and relative, PEP/PUL prefixes Notes OEM datasheets name the measuring mainframes NRVS and URV35; UZ-35 is the plug-in charger and UZ-22/UZ-24 are transit cases. Frequency and power always come from the connected NRV-Z or URV5-Z head. Confirm which mainframe and which sensor are on the listing. Successor NRP/NRX families are different.
Attenuation	compensation plus/minus 200 dB

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	
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Power Span Sensor Dependent	100 pW to 30 W (kW class with high power heads)
Compatible Power Heads	NRV-Z series
Compatible Voltage Heads	URV5-Z series
Example Diode Head NRV Z1	10 MHz to 18 GHz, 200 pW to 20 mW, 50 ohm
Example Thermal Head NRV Z51	DC to 18 GHz, 1 uW to 100 mW, 50 ohm
Example Thermal Head NRV Z55	to 40 GHz, 2.92 mm
Display	4.5 digit LCD plus bargraph
Stored Setups	20
Averaging Time Manual	4 ms to 25 s
Zero Adjust Duration	approximately 4 s
Attenuation Compensation Range	plus/minus 200 dB
Sensor Check Source Frequency	50 MHz crystal

PARAMETER	VALUE
Sensor Check Source Power	1.00 mW, factory plus/minus 0.7 percent
Remote Control	IEC 625 / IEEE 488 (SH1 AH1 T6 L4 SR1 RL1 DC1 DT1 PP0)
NRVS Mains	115 V or 230 V, 47 to 63 Hz (440 Hz on 115 V), 13 VA
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Notes

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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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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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.