

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

ROHDE & SCHWARZ

Rohde and Schwarz ZV-Z23 Manual Calibration Kit, Type N

The Rohde & Schwarz ZV-Z23 is an adapter designed for use with network analyzers. It facilitates the connection of devices with different connector types or impedance levels, ensuring accurate and reliable measurements. This adapter is engineered to maintain signal integrity and minimize signal loss, making it suitable for high-frequency applications.



MODEL

Rohde & Schwarz ZV-Z23

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

ZV-Z23

LISTING

<https://aumictechlabs.com/products/zv-z23-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Rohde & Schwarz ZV-Z23 is a TOSM calibration kit engineered for precise vector network analyzer calibration across DC to 26.5 GHz. Designed for 3.5 mm connectors, it delivers the calibration standards required for full two-port and one-port measurement confidence on Rohde & Schwarz network analyzers. This kit includes Through, Open, Short, and Match standards in both male and female configurations, plus two PC 3.5 mm to N male adapters. The 50 Ω impedance standards span from DC to 26.5 GHz with exceptional phase stability and return loss performance across the band. Technical Specifications Connector Type: PC 3.5 mm (male and female) Frequency Range: DC to 26.5 GHz Impedance: 50 Ω Calibration Standards: Through, Open, Short, Match (male and female pairs) Match Return Loss: >40 dB (DC–4 GHz), >30 dB (4–26.5 GHz) Open Return Loss: <0.13 dB (DC–4 GHz), <0.2 dB (4–26.5 GHz) Open Phase Uncertainty: <1.6°

female / $<1.2^\circ$ male (DC–4 GHz); $<2.5^\circ$ both (4–26.5 GHz) Short Return Loss: <0.02 dB (DC–4 GHz), <0.15 dB (4–26.5 GHz) Short Phase Uncertainty: $<0.07^\circ$ (DC–4 GHz), 34 dB (DC–4 GHz), >28 dB (4–26.5 GHz) Through Transmission Loss: <0.08 dB (DC–4 GHz), 33 dB (DC–4 GHz), >25 dB (4–18 GHz)Key Features Complete TOSM standard set supports OSM, TOSM, and TOM calibration methods Torque wrench and counterholder included for repeatable connector engagement USB calibration data provided for direct VNA import Low insertion loss and phase uncertainty across full frequency band Benchtop form factor for laboratory and production environmentsCompatibility & Integration The ZV-Z23 works with Rohde & Schwarz ZVR, ZVC, and R&S ZNH series network analyzers. Supports TRL calibration when paired with the ZV-Z27 supplementary kit, and TOM-X calibration with the ZV-Z29 kit.

ZVZ23 Characteristics / Specifications

PARAMETER	VALUE
Model	ZV-Z23
Manufacturer	Rohde and Schwarz
Instrument Type	Manual Mechanical Calibration Kit
Series	ZV-Z2xx / ZN-Z2xx
Alias	ZV-Z23; ZV Z23; R andSZV-Z23
Characteristic Impedance	50 ohm
Frequency Range	0 Hz (DC) to 26.5 GHz
Connector Family	3.5 mm (OEM; many rows list 3.5 mm female)
Calibration Method	OSMT open short match through
Standards Included	open, short, match, through (male and female per kit build)
Form	mechanical cal kit, benchtop case
Not Electronic Cal	not ZN-Z15x / ZV-Z5x ECal
Related Type N 18 GHz	ZV-Z270 0 Hz to 18 GHz typeNmale and female
Related 3.5 mm 26.5 GHz Successor	ZN-Z235 0 Hz to 26.5 GHz 3.5 mm
Related 3.5 mm 33 GHz	ZV-Z235E 0 Hz to 33 GHz 3.5 mm
Related 2.92 mm	ZN-Z229 0 Hz to 43.5 GHz
Host Analyzers	R andSZVA, ZVB, ZNB and other 50 ohm VNAs with 3.5 mm ports
Torque Class	3.5 mm precision coaxial torque perRandScal kit practice
Listing Note	catalog title TypeNdoes not override OEM 3.5 mm identity
Use	one-port and two-port mechanical calibration
Status	legacy ZV-Z2xx kit; ZN-Z235 is the current 3.5 mm 26.5 GHz catalog kit
NotAVNA	kit only; residual error after cal isaVNA plus kit result Notes Specs from R&S ZV-Z2xx / ZN-Z2xx calibration-kit family tables and ZV-Z23 3.5 mm DC to 26.5 GHz OEM/reseller identity. Confirm 3.5 mm versus Type N (ZV-Z270) on the case label. Do not invent residual-error or pin-depth numbers.

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.

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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
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<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.