

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

ROHDE & SCHWARZ

Rohde and Schwarz ZV-Z32 Manual Calibration Kit, 3.5mm

The Rohde & Schwarz ZV-Z32 is a mechanical calibration kit designed for use with network analyzers. It includes various precision calibration standards to ensure accurate measurements. This kit enables precise calibration of test setups, minimizing errors and improving the reliability of network analysis results.



MODEL

Rohde & Schwarz ZV-Z32

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

ZV-Z32

LISTING

<https://aumictechlabs.com/products/zv-z32-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Rohde & Schwarz ZV-Z32 is a precision mechanical calibration kit for network analyzers operating to 26.5 GHz. It supplies essential calibration standards - short, open, load, and through - that minimize measurement error and ensure repeatable results across research, development, and production environments. Characterized data arrives in digital format (diskette or memory stick) alongside a measurement report, typically expressed as Touchstone® files or complex S-parameters. The kit delivers low reflection and high precision performance, making it ideal for demanding test setups where calibration accuracy directly impacts measurement reliability. Technical Specifications Frequency Range: 0 – 26.5 GHz Connector Type: 3.5 mm (PC3.5) Calibration Standards: Precision short, open, load (match), and through standards Characterization Data Format: Touchstone® files, complex S-parameters; supplied on digital

media with measurement report Performance: Low reflection, high precision Operating Ambient Temperature: +5 °C to +40 °C (ZN-Z32 model)Key Features Mechanical standards eliminate temperature drift and recalibration overhead on production lines Digital characterization data enables rapid calibration cycles Supports multiport calibration with minimal setup time Accredited calibration services available at regular intervalsTypical Applications Network analyzer calibration in laboratory and field settings Production test environments requiring efficient, repeatable calibration Thermal Vacuum (TVAC) chamber testing where test setups are inaccessible under vacuum Research and development requiring precise measurement baselinesCompatibility & Integration Native compatibility: Rohde & Schwarz ZVA, ZVB, and ZVT series network analyzers R&S ZV-Z32/-Z33 inline units: Certified for R&S ZNB(T), ZVA, and ZVT platforms Compatible with select third-party network analyzers Professional calibration, repair, sales, and rental services available through Rohde & Schwarz

Features & description

From manufacturer datasheet

Features

- Full 3.5 mm male and female mechanical standards with fixed (not sliding) matches
- DC to 26.5 GHz coverage matching APC-3.5 / 3.5 mm VNA ports
- Factory DCV characterization data for the kit
- Sibling ZV-Z33 adds sliding matches for the same connector and band
- Lower-band 3.5 mm kits ZV-Z132 cover only to 8 GHz and are not substitutes

Applications

- SOLT / OSM calibration of 3.5 mm VNA test ports to 26.5 GHz
- Characterization of 3.5 mm cables, adapters, and components
- Production and lab VNA error correction on ZVA / ZVB / ZVT class analyzers
- Replacement of worn 3.5 mm opens, shorts, and loads

ZVZ32 Characteristics / Specifications

PARAMETER	VALUE
Model	ZV-Z32
Manufacturer	Rohde & Schwarz
Instrument Type	Manual mechanical VNA calibration kit
Alias	ZV Z32; R&S ZV-Z32
Order Number	1128.3501.02
Frequency Range	0 Hz to 26.5 GHz
Connector Type	3.5 mm male and female
System Impedance	50 ohm
Match Type	fixed matches (not sliding)
Kit Class	mechanical OSM / SOLT standards
Documentation Included	DCV calibration data
Sibling Sliding Kit	ZV-Z33, 1128.3518.02, 0 Hz to 26.5 GHz
Lower Band 3.5 mm Male Kit	ZV-Z132, 1164.1092.02, 0 Hz to 8 GHz
Lower Band 3.5 mm Female Kit	ZV-Z132, 1164.1092.03, 0 Hz to 8 GHz
Related N 50 ohm Kit	ZV-Z21, 0 Hz to 18 GHz, 1085.7099.02
Related 2.92 mm Fixed Kit	ZV-Z34, 0 GHz to 40 GHz, 1128.3530.02
Related 2.92 mm Sliding Kit	ZV-Z35, 0 GHz to 40 GHz, 1128.3547.02
Typical Standard Set	open, short, fixed match, thru (confirm contents in the case)
Pin Depth Class 3.5 mm Family	0 mm to minus 0.035 mm (ZV-Z335 class)
Inner Conductor Material Family	gold plated age hardened CuBe (ZV-Z3xx class)
Outer Conductor Material Family	stainless steel (ZV-Z3xx class)
Operating Temperature Family	+18 C to +28 C for specified cal data (ZV-Z3xx class)
Permissible Temperature Family	0 C to +50 C (ZV-Z3xx class)
Storage Temperature Family	minus 40 C to +70 C (ZV-Z3xx class)
Calibration Interval Family	1 year (ZV-Z3xx class)

PARAMETER	VALUE
Torque Practice	use a 3.5 mm torque wrench; do not mate 3.5 mm to 2.92 mm without an adapter Notes Specs from R&S ZVA/ZVT accessory tables and ZV-Z3xx family mechanical data. ZV-Z32 itself is listed as 3.5 mm, 0 Hz to 26.5 GHz, order 1128.3501.02, fixed matches, DCV included. Inventory the case: opens, shorts, loads, thru, and torque wrench. Do not mix 3.5 mm and 2.92 mm (K) withoutaspecified adapter.
Storage temperature	Family: minus 40 C to +70 C (ZV-Z3xx class)
Operating temperature	Family: +18 C to +28 C for specified cal data (ZV-Z3xx class)

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
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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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Kit Class	mechanical OSM / SOLT standards
Documentation Included	DCV calibration data
Sibling Sliding Kit	ZV-Z33, 1128.3518.02, 0 Hz to 26.5 GHz
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Related N 50 ohm Kit	ZV-Z21, 0 Hz to 18 GHz, 1085.7099.02
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Torque Practice	use a 3.5 mm torque wrench; do not mate 3.5 mm to 2.92 mm without an adapter

Notes

Specs from R&S ZVA/ZVT accessory tables and ZV-Z3xx family mechanical data. ZV-Z32 itself is listed as 3.5 mm, 0 Hz to 26.5 GHz, order 1128.3501.02, fixed matches, DCV included. Inventory the case: opens, shorts, loads, thru, and torque wrench. Do not mix 3.5 mm and 2.92 mm (K) withoutaspecified adapter.

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.