

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

ANRITSU

Anritsu 36585K " Precision AutoCal; 2-Port, 70 kHz to 40 GHz

Connector version 2F: K female toKfemale part 36585K-2F Connector version 2MF: K male toKfemale part 36585K-2MF RelatedVband series: 36585V 70 kHz to 70 GHz Calibration purpose: 12 term error corrected VNA measurement Connector version 2MF: K male toKfemale part 36585K-2MF RelatedVband series: 36585V 70 kHz to 70 GHz Calibration purpose: 12 term error corrected VNA measurement Characterization validity from shipment: 1 year



MODEL

Anritsu 36585K

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

36585K

LISTING

<https://aumictechlabs.com/products/36585k-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu 36585K Precision AutoCal is a fully automated 2-port calibration system for Anritsu vector network analyzers, delivering 12-term error correction across 70 kHz to 40 GHz. Operating with K-type (2.92 mm) connectors, this module employs automatic transfer calibration based on LRL (Line-Reflect-Line) principles, offering superior corrected characteristics over manual SOLT methods. The system minimizes parasitics through advanced high-frequency switching technology, reducing loss and improving matching performance. Technical Specifications
Frequency Range: 70 kHz to 40 GHz Ports: 2-Port configuration Connector Type: K (2.92 mm) Calibration Method: Automatic transfer calibration (LRL-based) Re-characterization Interval: 12 months (with proper module and connector care) Power Supply: 12 V DC (external power supply)

required, e.g., Anritsu 40-168-R)Key Features Delivers consistent, fast calibrations with minimal manual intervention LRL-based methodology provides superior accuracy versus SOLT calibration Advanced high-frequency switching minimizes parasitics for enhanced measurement integrity Includes characterization data file for host VNA operation Available in three connector configurations: male-to-male (36585K-2M), female-to-female (36585K-2F), and male-to-female (36585K-2MF) Supplied with torque wrench (01-201, 0.9 N·m), universal connector wrench (01-204), USB-resident characterization data, and line power cordCompatibility & Integration Designed for Anritsu VectorStar Family VNAs and MS4640A Series units. Compatible with MS4645B or MS4647B VNAs using adapters. Not compatible with original 360, 37xxx Series, or MS462xx Series VNAs. Anritsu guarantees published specifications only with Anritsu-characterized AutoCals. Customer re-characterization is supported via the MS4640A VNA. Control is managed through the host VNA; legacy units may employ RS-232 or GPIB (IEEE 488.2) interfaces.

Features & description

From manufacturer datasheet

Features

• Frequency coverage 70 kHz to 40 GHz • Precision AutoCal for VectorStar MS4640x only • Three connector sex versions 2M 2F 2MF • Characterization file on USB memory • 12 month recharacterization period • Includes 01-201 torque wrench 0.9 N m • Includes 01-204 universal K/V wrench • 12 V power supply and serial cable included

Applications

• VectorStar MS4640A/B 12 term error corrected calibrations • Fast manufacturing and R&D coaxial calibrations to 40 GHz • Male male, female female, or male female Kport matching • Transfer calibration based on LRL characterization • Periodic recharacterization on MS4640x VNAs

Technical Specifications

PARAMETER	VALUE
Model	36585K
Manufacturer	Anritsu
Instrument Type	Precision AutoCal 2 Port Automatic Calibrator
Alias	36585K; 36585K Series; Anritsu Precision AutoCal
Series	36585 Precision AutoCal
Frequency range	70 kHz to 40 GHz
Host VNA family	VectorStar MS4640x Series
Compatibility note	not compatible with 360, 37xxx, or MS462xx VNAs
Connector version 2M	K male to K male part 36585K-2M
Connector version 2F	K female to K female part 36585K-2F
Connector version 2MF	K male to K female part 36585K-2MF
Related V band series	36585V 70 kHz to 70 GHz
Ports	2
Calibration purpose	12 term error corrected VNA measurement
Characterization validity from shipment	1 year
Recharacterization interval	12 months
Characterization media	USB memory device
Torque wrench accessory	01-201 8 mm 0.9 N m
Universal wrench accessory	01-204 for K and V connectors
Power supply accessory	40-187-R 12 V class
Serial cable accessory	806-69
Line power cord	included
Pin depth K male female gauge class	+0.000 / -0.003 inch

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	
Technical Specifications	
PARAMETER	VALUE
Model	36585K
Manufacturer	Anritsu
Instrument Type	Precision AutoCal 2 Port Automatic Calibrator
Alias	36585K; 36585K Series; Anritsu Precision AutoCal
Series	36585 Precision AutoCal
Frequency range	70 kHz to 40 GHz
Host VNA family	VectorStar MS4640x Series
Compatibility note	not compatible with 360, 37xxx, or MS462xx VNAs
Connector version 2M	K male to K male part 36585K-2M
Connector version 2F	K female to K female part 36585K-2F
Connector version 2MF	K male to K female part 36585K-2MF
Related V band series	36585V 70 kHz to 70 GHz
Ports	2
Calibration purpose	12 term error corrected VNA measurement
Characterization validity from shipment	1 year
Recharacterization interval	12 months
Characterization media	USB memory device
Torque wrench accessory	01-201 8 mm 0.9 N m
Universal wrench accessory	01-204 for K and V connectors
Power supply accessory	40-187-R 12 V class
Serial cable accessory	806-69
Line power cord	included
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Power supply accessory	40-187-R 12 V class
Serial cable accessory	806-69
Line power cord	included
Pin depthKmale female gauge class	+0.000 / -0.003 inch

Warranty on kit: 1 year materials and workmanship

Specifications

PARAMETER	VALUE
Technical specs location	MS4640x VNA TDS 11410-00432
Primary use	automatic precision VNA calibration 70 kHz to 40 GHz
Form factor	precision AutoCal module with kit accessories
Switching technology class	best high frequency low parasitic switching
Algorithm class	multiple reflect states over determined
Serviceability	user or factory recharacterization on MS4640x

PARAMETER	VALUE
Stability claim	longest recharacterization period 12 months class
Performance claim vs SOLT	better corrected characteristics than broadband load SOLT
Performance claim vs airlines	approaches multiple airline LRL without manual beadless airlines

Notes

Identity and kit contents from Anritsu 36585-Series Precision AutoCal reference manual 10410-00279 and product page (70 kHz–40 GHz; 36585K-2M/2F/2MF; VectorStar only). Corrected residual specs are

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