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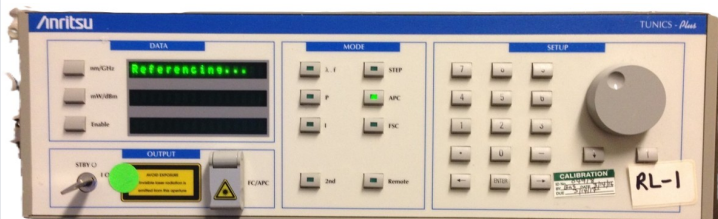
Data Sheet

August 13, 2026

ANRITSU

Anritsu FP000012 TUNICS-Plus

Anritsu FP000012 TUNICS Plus Tunable External Cavity Laser The Anritsu FP000012 isaTUNICS-Plus benchtop tunable external cavity laser (Photonetics/NetTest/Anritsu lineage) for optical fiber communications and DWDM component testing. TUNICS-Plus models provide mode-hop-free tuning over wide spectral bands within the 1260 to 1640 nm family coverage, up to +10 dBm class output on high-power variants, internal wavelength referencing, and GPIB/RS-232 remote control. The Anritsu FP000012 isaTUNICS-Plus benchtop tunable external cavity laser (Photonetics/NetTest/Anritsu lineage) for optical fiber communications and DWDM component testing. TUNICS-Plus models provide mode-hop-free tuning over wide spectral bands within the 1260 to 1640 nm family coverage, up to +10 dBm class output on high-power variants, internal wavelength referencing, and GPIB/RS-232 remote control.



MODEL

Anritsu FP000012

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FP000012

LISTING

<https://aumictechlabs.com/products/fp000012-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu FP000012 TUNICS-Plus is a benchtop tunable laser source engineered for optical communication testing and component characterization. It delivers mode-hop-free operation across a 150 nm tuning range with 1 pm resolution, ensuring stable and repeatable wavelength output. Available in six versions spanning 1260 nm to 1640 nm, the instrument combines high spectral purity with precise wavelength control - making it essential for research, development,

and manufacturing in optical fiber communications. Technical Specifications Wavelength accuracy is ± 0.04 nm with tuning repeatability of ± 0.005 nm. Wavelength stability reaches 5 pm/h (3 pm/h typical) and 5 pm/24h typical. Output power ranges to +10 dBm on select models, easing power budgets and enabling high-dynamic range measurements. Optical performance is defined by Side Mode Suppression Ratio (SMSR) exceeding 40 dB across standard models, with CL and CL/WB variants reaching >45 dB. Tunics Plus E and CL/WB models achieve >50 dB SMSR within specific windows (1280–1320 nm and 1380–1410 nm respectively). Linewidth is typically <145 dB/Hz. Key Features Mode-hop-free operation with proprietary active control across entire tuning range Sweeping mode delivers continuous wavelength variation at constant rate for uninterrupted measurement campaigns Internal wavelength adjustment synchronized to external wavelength meter calibration via RS 232-C interface Wavelength monitoring activation through keyboard or GPIB control Six model versions: O, E, S, CL, S/WB, and CL/WB configurations Smooth scans with extremely fine 1 pm step resolution Typical Applications Optical component evaluation, fiber optic system validation, wavelength-dependent performance characterization, and broad-spectrum device testing across the 1260–1640 nm window. Compatibility & Integration GPIB interface supports remote control and wavelength monitoring. FC-APC/FC-PC fiber optic jumper included. Integration with RS 232-C compatible wavelength meters enables closed-loop calibration. All specifications apply following 30-minute warm-up and self-calibration within specified temperature range. Weight: 12.5 kg.

Features & description

From manufacturer datasheet

Features

- TUNICS Plus general purpose benchtop tunable laser

Applications

- DWDM system and device evaluation

FP000012 Characteristics / Specifications

PARAMETER	VALUE
Model	FP000012
Manufacturer	Anritsu (TUNICS Plus / Photonetics NetTest lineage)
Instrument Type	Tunable External Cavity Laser Source
Alias	FP000012; TUNICS Plus; Anritsu TUNICS Plus
Product family	TUNICS Plus
Spectral coverage family	1260 nm to 1640 nm by version
Mode hop free tuning range class	up to 150 nm
Wavelength setting resolution	0.001 nm
Absolute wavelength accuracy	±0.04 nm after self calibration
Tuning repeatability typical	±0.005 nm
Optical frequency fine tuning	±2 GHz
Tuning speed typical	1 s per 100 nm
Maximum output power class	up to +10 dBm (TUNICS Plus 10)
Power stability one hour constant temperature	±0.01 dB
Side mode suppression ratio	greater than 45 dB
Signal to SSE ratio	greater than 55 dB
Relative intensity noise typical	-145 dB/Hz at 100 MHz
Optical connector	FC-APC
Output fiber	SMF-28 class (PMF OptionMavailable)
Output isolation	35 dB
Return loss	60 dB
Remote control	RS-232C and IEEE-488.1
Low frequency modulation	10 kHz to 8 MHz
High frequency modulation	30 kHz to 1 GHz
Sweep option scan speed	1 to 100 nm/s adjustable

PARAMETER	VALUE
Sweep power flatness typical	±0.25 dB
Operating temperature	+15 to +30 C
Power supply	100 to 240 V, 50 to 60 Hz
DimensionsWxHxD	448 mm x 133 mm x 370 mm
Mass	12.5 kg
Maximum output power	class: up to +10 dBm (TUNICS Plus 10)
Power stability	one hour constant temperature: ±0.01 dB
Relative intensity noise	typical: -145 dB/Hz at 100 MHz

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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Specifications

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Option M: polarization maintaining output fiber

Option SW: sweeping mode

Notes

Specs from Anritsu/NetTest TUNICS-Plus datasheet family tables and FP000012 TUNICS-Plus catalog identity. Confirm exact band version (O/E/S/SC/CL/10 etc.), installed options (M/SW), and measured wavelength/power on the unit label.

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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<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
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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.