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Data Sheet
August 13, 2026

EXFO / YENISTA

Exfo / Yenista SWS15101 Benchtop Tunable Laser

Exfo / Yenista SWS15101 Benchtop Tunable Laser,A high-performance tunable laser source designed for optical testing applications that provides stable wavelength output for device characterization, system testing and calibration in laboratory environments.

MODEL **Exfo / Yenista SWS15101**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **SWS15101**	LISTING **https://aumictechlabs.com/products/sws15101-2/**

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Exfo / Yenista SWS15101 is a benchtop tunable laser built on the Yenista / Anritsu Tunics-PR / Tunics-PRI platform and integrated into JDS's Swept Wavelength Systems (SWS). It delivers stable, precision wavelength output for optical device characterization, system testing, and laboratory calibration across the telecommunications spectrum.Technical Specifications Wavelength Range: 1200–1600 nm (model dependent); 1460–1600 nm (Configuration 3642 HE 15); 1520–1570 nm Optical Output Power: Maximum optical output: 5.4 dBm (technician measured) / 6 dBm (maximum) Output power 1480–1580 nm: >3 dBm Peak power: >+6 dBm (Option P6) Optical Interface: FC/APC singlemode fiber Fiber Options: Polarization-maintaining fiber available (Option M) Control & Connectivity: USB: 4× USB 2.0, 2× USB 3.0 Networking: 2× Gigabit Ethernet Instruments: USB B, GPIB Display: VGA, DVI, or HDMI + USB touchpad support Triggers: Scan input (starts sweep); trigger output (generates pulse within defined span) Physical Form: Rackmount design; 40–50 lbs shipping weightKey Features Wavelength tuning across 1200–1600

nm (model dependent) High spectral power density with >3 dBm across C-band and L-band Multiple output interface options including PMF Direct instrument control via GPIB and USB Flexible external monitoring via Ethernet and display outputs LabVIEW driver support with manual documentationTypical Applications Optical component and device characterization Wavelength-dependent system testing Precision laboratory calibration Swept wavelength measurementsCompatibility & Integration Designed for integration into JDSU Swept Wavelength Systems. Units meeting wavelength stability specification (≤0.002 nm / 1 hour) are recommended for SWS system deployment. Used equipment in good to excellent condition.

Features & description

From manufacturer datasheet

Features

• C+L continuous tuning 1541 to 1630 nm • Wavelength resolution 0.003 nm • Maximum output power 3 dBm (2 mW) • Single-mode fiber output • Mode-hop-free smooth tuning class for narrowband devices • Integrates with automated swept-wavelength test architectures • Compact benchtop TLS form for lab and manufacturing stations • Module identity often marked 3642HE16 on SWS16101 units

SWS15101 Characteristics / Specifications

PARAMETER	VALUE
Model	SWS16101
Manufacturer	JDS Uniphase (JDSU)
Instrument Type	Tunable laser source (C+L)
Associated module / marking	3642HE16
Alias	SWS16101; JDSU SWS16101; 3642HE16
Wavelength range	1541 to 1630 nm
Band coverage	C-band + L-band
Wavelength span	89 nm
Maximum output power	3 dBm (2 mW)
Wavelength resolution	0.003 nm
Fiber type	Single-mode
Tuning behavior class	Smooth / mode-hop-free (product descriptions)
Primary host context	Swept Wavelength System (SWS) TLS role
Use domain	DWDM / passive optical component characterization
Output	Connectorized SMF
Form factor	Benchtop tunable laser instrument
Product family	SWS16xxx tunable laser sources
Related sibling class	SWS17101 C+L high-precision TLS family
Typical ship accessories class	Interlock key (configuration-dependent)
Operating role	Narrowband optical stimulus / swept source
Module OEM lineage class	Photonetics / JDS 3642HE series TLS modules Notes Specs from JDSU SWS16101 C+L TLS product descriptions associating 3642HE16 module marking. Confirm faceplate SWS16101 vs 3642HE16 labels, exact connector polish, and maximum power setting before acceptance testing. Finer linewidth/SSE figures belong on the specific laser module certificate when not published on the SWS16101 row.

SWS15101 Specifications

PARAMETER	VALUE
JDSU SWS16101 Tunable Laser Source (3642HE16)	Overview
Key Features	- C+L continuous tuning 1541 to 1630 nm
Technical Specifications	Model: SWS16101

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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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

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