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Data Sheet

August 14, 2026

BURLEIGH / EXFO

Burleigh / Exfo WA-7600 1270-1680nm wavemeter

The Burleigh/Exfo WA-7600 is a high-precision wavemeter designed for accurate wavelength measurement in the 1270-1680nm range. It provides reliable and precise spectral analysis, making it suitable for telecommunications, laser spectroscopy, and optical component testing. This wavemeter ensures dependable performance for various demanding applications requiring wavelength verification and control.



MODEL

**Burleigh / Exfo
WA-7600**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

WA-7600

LISTING

<https://aumictechlabs.com/products/wa-7600-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Burleigh/Exfo WA-7600 is a precision wavemeter for absolute wavelength measurement across the 1270–1680 nm band using scanning Michelson interferometer technology. Built-in HeNe laser calibration ensures traceability to recognized standards and accounts for all factors influencing measurement accuracy. The instrument simultaneously measures wavelengths and individual power levels of up to 256 discrete optical signals, making it essential for DWDM system validation, laser spectroscopy, and optical component characterization in telecommunications and R&D environments. Technical Specifications Wavelength Range: 1270 nm to 1680 nm (178 THz to 236 THz) Absolute Wavelength Accuracy: ± 0.3 ppm; ± 0.3 pm guaranteed at 3σ confidence

($\geq 99.6\%$) Spectral Resolution: 30 pm Display Resolution: 0.0001 nm Optical Input Sensitivity: -40 dBm (0.1 μ W) for 1270–1600 nm; -30 dBm for 1600–1680 nm Maximum Input Level: +18 dBm Optical Dynamic Range: >35 dB SNR for channels spaced ≥ 100 GHz Power Linearity: ± 0.3 dB Power Uncertainty: ± 0.5 dB (± 30 nm from 1310 nm and 1550 nm) Power Display Resolution: 0.01 dB Simultaneous Measurement Capacity: Up to 256 discrete optical signals Optical Input: 9/125 μ m single-mode fiber Warm-up Time: 7 minutes Key Features Automatic channel spacing and OSNR calculations Discriminates DWDM channels at 100 GHz, 50 GHz, and 25 GHz spacing Benchtop or rack-mounted configuration Operating humidity: $\leq 90\%$ R.H. at +40°C (non-condensing) Typical Applications DWDM system performance monitoring and channel measurement Telecommunications R&D, manufacturing, network validation, and maintenance Laser wavelength verification and spectroscopic analysis Optical component spectral characterization Compatibility & Integration Communication interfaces: GPIB, RS-232, floppy disk drive, VGA monitor port, parallel printer port Optical interface: Universal Interface (EUI) connector adapters available separately Dimensions: 133 mm H $\times$ 432 mm W $\times$ 419 mm D

WA7600 Characteristics / Specifications

PARAMETER	VALUE
Wavelength Range	1270 to 1680 nm
Absolute Wavelength Accuracy	plus or minus 0.3 pm
Display Resolution	0.0001 nm
Maximum Number Of Laser Lines	256
Spectral Resolution Class	as high as 30 pm
Maximum Resolvable Separation Class	30 pm
Maximum Input Level	plus 18 dBm
Optical Input Fiber	9/125 um singlemode
Power Measurement	simultaneous per channel
Linearity Power Class	plus or minus 0.3 dB
Wavelength Reference	internal stabilized HeNe laser
Channel Spacing Analysis	yes
OSNR Calculation	yes
Remote Interfaces	GPIB IEEE-488.2 and RS-232
Form Factor	benchtop
Display	VGA spectrum and numeric class
Update Rate Class	about 1 Hz class
Traceability	standards traceable Wavemeter calibration
Confidence Level Accuracy Class	3 sigma class on absolute wavelength
DWDM Spacing Support	100 GHz 50 GHz and 25 GHz class
Manufacturer	per instrument faceplate branding
Documentation Basis	OEM datasheet or operating manual family

WA7600 Specifications

PARAMETER	VALUE
Scanning Michelson interferometer with HeNe reference	Up to 256 simultaneous optical signals
Automatic channel spacing and OSNR calculation	GPIB IEEE-488.2 and RS-232 interfaces
Technical Specifications	Wavelength Range: 1270 to 1680 nm

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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Form Factor	benchtop
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Documentation Basis	OEM datasheet or operating manual family
Notes	
Numeric rows from Burleigh/EXFO WA-7600 Optical Channel Analyzer product literature. Some reseller sheets cite plus or minus 0.2 pm; prefer OEM plus or minus 0.3 pm absolute accuracy.	

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.