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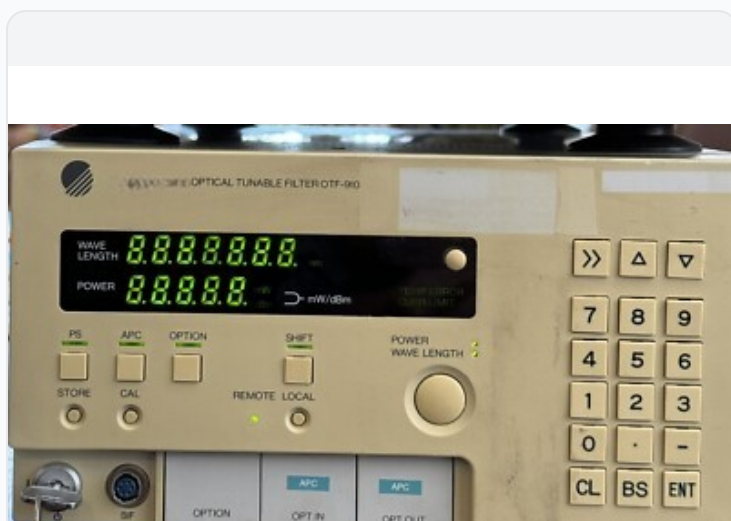
Data Sheet

August 3, 2026

SANTEC

Santec OTF-910 Optical Tunable Filter w option ATT,APC

Santec Optical Attenuators. Wavelength: independent performance for spectral shaping, Bandwidth: 1.0 nm typical, Bandwidth: 4.5 nm typical.



MODEL

Santec OTF-910

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

OTF-910

LISTING

<https://aumictechlabs.com/products/otf-910-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Santec OTF-910 is a precision optical tunable filter that selects and controls specific wavelengths across the C-band and L-band spectrum. Built on interference filter technology, it delivers wavelength-independent performance for spectral shaping, channel simulation, and noise filtering in optical communications and test systems. Full GPIB control enables integration into automated measurement setups. Optional ATT provides built-in attenuation with manual or feedback-loop control. Optional APC connectors minimize back reflection. Technical Specifications Tuning Range: 1530–1610 nm; 1527–1572 nm; 1527–1612 nm; 1567–1613 nm (multiple options) Insertion Loss: 2.5 dB typical, 3 dB maximum 3 dB Bandwidth: 1.0 nm typical, 1.1 nm maximum 20 dB Bandwidth: 4.5 nm typical Polarization Dependent Loss (PDL): 0.1 dB typical, 0.2 dB maximum Polarization Mode Dispersion (PMD): 0.1 ps maximum Return Loss: 50 dB typical, 45 dB minimum Filter Type: Interference filter with wavelength-independent insertion loss and bandwidth Key Features Full GPIB control interface for automated test environments RS-232C and

GPIB interfaces available on comparable models LabView drivers available on comparable models
ATT option: controllable optical attenuation via manual adjustment or photodetector feedback loop
APC option: angled physical contact connectors for reduced back reflectionTypical Applications
Optical communication system testing and validation DWDM channel simulation and
characterization ASE noise filtering for transmitter and system testing Tunable incoherent light
source generation with broadband sources Spectroscopy and fiber optic sensing Optical
component and subsystem testing Biomedical imaging systemsCompatibility & Integration
Designed for flexible integration into optical communication and test configurations requiring
precise wavelength selection across the C-band and L-band regions.

Features & description

From manufacturer datasheet

Features

- Programmable optical tunable bandpass filter, model OTF-910
- Options on this listing: ATT (attenuator option) and APC connectors
- Typical tuning window: approximately 1530–1610 nm (C/L class; confirm faceplate)
- Linear-sliding dielectric filter architecture (Santec OTF family)
- Remote control: GPIB and RS-232C (family)
- Peak-search / power-monitor features common to Santec OTF benchtop units
- APC polish reduces connector back-reflection vs SPC

OTF910 Characteristics / Specifications

PARAMETER	VALUE
Model	OTF-910 (options ATT, APC)
Manufacturer	Santec
Instrument Type	Programmable Optical Tunable Bandpass Filter
Alias	OTF-910 Optical (typical OTF-910 / OTF-family published class)
Tuning Range	approximately 1530–1610 nm (confirm unit label)
Wavelength Resolution	0.01 nm class (OTF family mechanical resolution)
Maximum Input Power	typically +20 dBm damage threshold (OTF family)
Return Loss	> 45 dB class (OTF family with APC preferred)
PDL / PMD	low, wavelength-independent by design (confirm filter structure code) Option ATT Integrated optical attenuator option for post-filter power control—verify attenuation range on the installed unit's option code / faceplate
Communication	GPIOB (IEEE-488) & RS-232C AC: 100–240 V, 50/60 Hz Standard Operating Conditions Operate near room temperature as labeled. Do not exceed max optical input. Match APC connectors with APC patch cords. Operational Notes OTF-910 filter type and ATT range are configuration-specific. Read the serial label for bandwidth type and stage count. Do not assume OTF-930 filter-selection tables apply without verifying the engraved codes.
Options on this listing	ATT (attenuator option) and APC connectors
Typical tuning window	approximately 1530–1610 nm (C/L class; confirm faceplate)
Remote control	GPIOB and RS-232C (family)
Bandwidth	and stage count are configuration-dependent—confirm the rear-panel serial/filter code.
Attenuation	range on the installed unit's option code / faceplate

OTF910 Specifications

PARAMETER	VALUE
Key Features	- Programmable optical tunable bandpass filter, model OTF-910
Technical Specifications	Model: OTF-910 (options ATT, APC)
Standard Operating Conditions	Operate near room temperature as labeled. Do not exceed max optical input. Match APC connectors with APC patch cords.

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

Specifications

PARAMETER	VALUE
Model	OTF-910 (options ATT, APC)
Manufacturer	Santec
Instrument Type	Programmable Optical Tunable Bandpass Filter
Alias	OTF-910

Optical (typical OTF-910 / OTF-family published class)

Specifications

PARAMETER	VALUE
Tuning Range	approximately 1530–1610 nm (confirm unit label)
Wavelength Resolution	0.01 nm class (OTF family mechanical resolution)
Maximum Input Power	typically +20 dBm damage threshold (OTF family)
Return Loss	> 45 dB class (OTF family with APC preferred)
PDL / PMD	low, wavelength-independent by design (confirm filter structure code)

Option ATT
Integrated optical attenuator option for post-filter power control–verify attenuation range on the installed unit’s option code / faceplate

Option APC
Angled Physical Contact fiber connectors (FC/APC or SC/APC per build)

Interfaces / Power (OTF benchtop family context; confirm on unit)
Communication: GPIB (IEEE-488) & RS-232C
AC: 100–240 V, 50/60 Hz

Standard Operating Conditions
Operate near room temperature as labeled. Do not exceed max optical input. Match APC connectors with APC patch cords.

Operational Notes
OTF-910 filter type and ATT range are configuration-specific. Read the serial label for bandwidth type and stage count. Do not assume OTF-930 filter-selection tables apply without verifying the engraved codes.

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.