

Product Brief

1x16 Optical Channel Selector

Overview

OptoHub's 1x16 Optical Channel Selector is a highly reliable optical switching solution based on micro-optics technology. It is suitable for optical component measurement, fiber line selection, and optical sensing test applications requiring low insertion loss, low polarization-dependent loss, and high switching repeatability.

Features

- Wide wavelength range
- Low insertion loss
- Low polarization-dependent loss
- High switching repeatability
- CH0 setting for no optical output
- Supports both manual and external control
- External control interfaces: RS-232C, USB, GPIB
- 1U rack-mount size

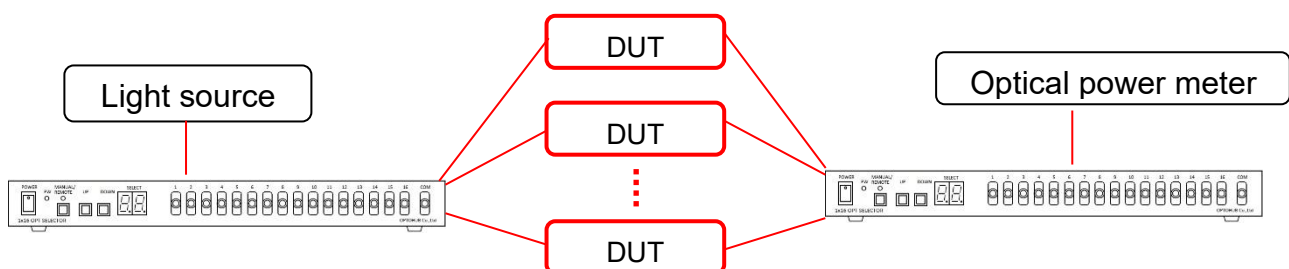
SPECIFICATION

Parameters	Specification
Fiber Type	SMF
Wavelength Range	1,260 ~ 1,660 nm
Insertion Loss	≤ 1.5 dB
Polarization-Dependent Loss	≤ 0.1 dB
Switching Repeatability	± 0.01 dB
Return Loss (SPC)	≥ 40 dB
Return Loss (APC)	≥ 50 dB
Switching time	≤ 1.0 sec

Applications

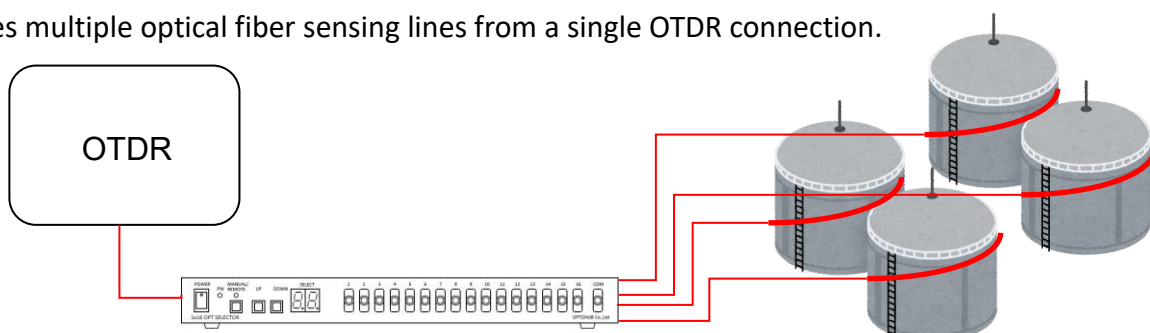
Optical Device Measurement

Selects multiple DUTs between a light source and optical power meter for efficient optical device testing.



Optical Fiber Sensing Line Switching

Switches multiple optical fiber sensing lines from a single OTDR connection.



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