

# OP720 | OP722

## High Channel Count Optical Switches

### Overview

The **OP720** is an optical switch for single mode and multimode applications. This individual 1xN optical switch is available with up to 48 channels in a 2U format and incorporates the latest technology in high-speed switching. With high repeatability and low loss, the OP720 is ideally suited for high channel count optical devices such as DWDM, waveguides, and splitters.

A variation on the OP720, the **OP722** is an optical switch that allows for two 1xN switches of up to 24 channels each to be controlled independently by the same 2U device.



Model OP720-MM-48 Optical Switch

### Features

- Convenient, compact, all optical (OOO) switch
- MEMS technology, high reliability, long-life
- Bright OLED for channel display
- Interface to custom applications via OPL-SDK
- Controllable via OptoTest software platforms such as OPL-CLX, OPL-MAX, and OPL-LOG
- High-speed USB interface for communication
- NxM configuration available (up to 24x24) for laboratory
- Customizable configurations to meet customer needs
- “Side-by-side” configurations streamline production lines with both SM and MM or OM1/OM2/OM3/OM4 testing needs
- In 2U rack mountable enclosure
  - OP720: One 1xN switch available up to 48 channels
  - OP722: Two 1xN switches available up to 24 channels
- Removable front panel for easy access to connectors for repolishing
- EF Compliance upon request
- Scalable up to 144 channels\* upon custom request

\* This channel count cannot be accommodated in the 2U enclosure.

# SPECIFICATIONS

OP720   OP722	Single Mode	Multimode
Channel Count	2 to 48 output	
Internal Fiber	SMF28, 9/125	50/125 OR 62.5/125
Insertion Loss	<1.2dB*	
Repeatability	± 0.003dB	
Switching Time	1 msec	
Crosstalk	>50dB	
Optical Interface	ST, FC, SC, LC (other upon request)	
Power for channel counts 2 to 24	USB (less than 0.1Amps)	
Dimensions for channel counts up to 48	19" x 3.8" x 12"	

\* Insertion Loss for channel counts ≤4; larger channel counts will have more loss.

## Laser Classifications

All **OP940 Insertion Loss and Return Loss Test Sets** utilize a **Class I Laser Source**. Unless otherwise noted, all **OP250**, **OP715**, and **OP750** source units with internal laser sources utilize a **Class I Laser Source**. Unless otherwise noted, all **OP815** and **OP850 Insertion Loss Test Sets** with internal laser sources utilize a **Class I Laser source**. All **OP280 Visual Fault Finder** units utilize a **Class III Laser Source**.

*OptoTest strongly suggests that all necessary precautions be taken whenever any Class I or Class III laser source is used.*

Specifications are subject to change, please confirm specific performance characteristics of the product at the time of ordering. All specifications are valid within temperature range of 18°C to 24°C unless otherwise noted. For additional specifications please contact OptoTest.