

# OP720

## Optical Switch

### Overview

#### Optical Switch

The **OP720** is an optical switch for single mode or multimode applications available in a slim-line, ultra-compact frame. This optical switch is USB powered 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. Paired with our **OP940** Return Loss Meter and the OPL Software Suite, insertion and return loss (IL/RL) can be measured accurately and efficiently on multifiber devices.

Note: The OP720 can also be produced with up to 144 channels upon request.



Model OP720-SM-24 Optical Switch

### Features

- Compact, slim-line, ultra thin all optical switch
- MEMS technology, high reliability, long life
- USB powered, no external power supply needed
- Bright organic OLED for channel display
- Interface to custom applications via OPL-SDK
- High speed USB Interface for communication
- 2x2 configuration available for bi-directional testing



# SPECIFICATIONS

OP720	Single Mode - SW	Multimode - SW
Channel Count	2 to 24 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)	
Power for channel counts over 24	Power Cable 90VAC .. 264VAC 47Hz to 63Hz 0.7Amps(115VAC) 0.4Amps(230VAC) Fuse: T1A, 250V	
Dimensions for channel counts 2 to 24	19" x 1.75" x 12"	
Dimensions for channel counts over 24	19" x 7" x 20"	

\* 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.