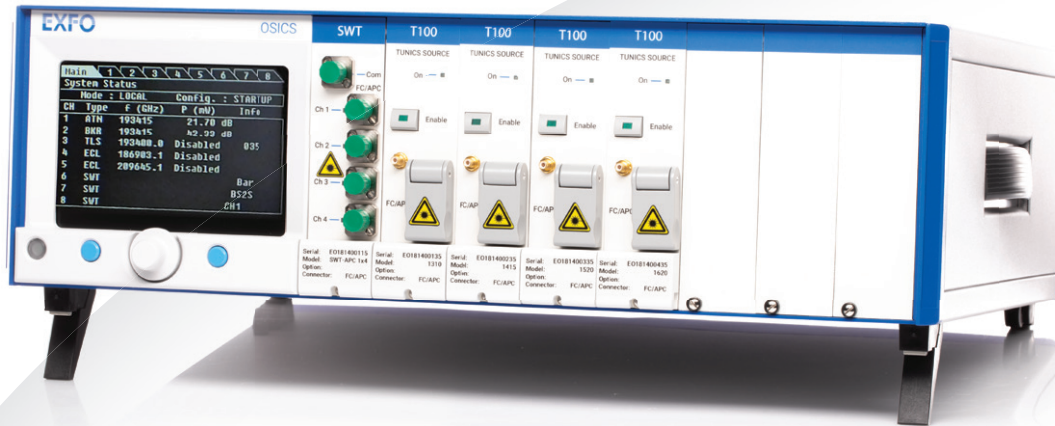


# OSICS multifunction platform

## MODULAR OPTICAL TEST PLATFORM



Easy-to-use, cost effective optical test platform that is ideal for labs and 24/7 testing in manufacturing plants.

### KEY FEATURES

Cost-effective multifunction modular platform

Hosts up to 8 modules

Large choice of pluggable light sources or passive optical modules

Complete remote control including GPIB

The OSICS multifunction modular platform features a large suite of pluggable light sources and passive optical modules, integrated into a cost-effective, reliable and flexible solution. The OSICS family of modules fulfill all fiber-optic component and system test requirements for R&D labs as well as 24/7 manufacturing environments, particularly for DWDM system evaluation.

The OSICS Mainframe can host up to eight pluggable modules that can be mixed and matched for custom applications and controlled remotely and individually for easy automation.

## FRONT PANEL

The front panel interface of the mainframe features a display and rotary knob for easy navigation between module tabs and fast setup and control of the parameter values. During normal operation, all module parameters are displayed simultaneously in the main tab and updated in real time.

## REAR PANEL

Connectors for remote operation are located on the back panel of the mainframe: USB-B for RS 232 communication, GPIB for IEEE 488 communication and SubD-9 for interlock.

There are also 18 BNC connectors for synchronization of the mainframe and application of an external modulation signal to the mainframe.

In addition, there are two BNC connectors per module: one for monitoring of power, current, and temperature and the other for an analog modulation output signal. These only operate if supported by the module.



## COMPATIBLE OPTICAL MODULES

### COMPACT TUNABLE LASER

#### OSICS T100

Ultra-low SSE tunable external cavity laser. Ideal optical source for stepped component testing



### SWITCHES & SHUTTERS

#### OSICS SWT

Ultra-low SSE tunable external cavity laser. Ideal optical source for stepped component testing



### BROADBAND SOURCE

#### OSICS SLD

Superluminescent light emitting diodes for broadband spectral measurements



### COMPACT TRANSMISSION LASERS

#### OSICS DFB

Distributed feedback laser diodes for CWDM, DWDM and LANWDM



### ATTENUATORS & BACKREFLECTORS

#### OSICS ATN-HP

High power optical attenuators for testing WDM signal



#### OSICS BKR

Variable back reflectors for simulation of cumulated reflections



## GENERAL SPECIFICATIONS

|                                  |                                                                                                                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of slots                  | 8                                                                                                                                                                                                 |
| Supported pluggable modules      | All OSICS modules in any combination                                                                                                                                                              |
| <b>Electrical specifications</b> |                                                                                                                                                                                                   |
| Power supply                     | 100-240 V AC                                                                                                                                                                                      |
| Power supply frequency           | 50-60 Hz                                                                                                                                                                                          |
| Maximum input current            | 5 A rms                                                                                                                                                                                           |
| <b>Interfaces</b>                |                                                                                                                                                                                                   |
| Control panel                    | 5.5 inch screen, ON/OFF and control buttons                                                                                                                                                       |
| Remote control                   | GPIO (IEEE 488) and USB-B communication                                                                                                                                                           |
| Analog monitoring                | Multi-purpose BNC output for current, power or temperature monitoring of each pluggable module                                                                                                    |
| Modulation                       | Input: <ul style="list-style-type: none"> <li>• External TTL modulation (mod. in BNC connector)</li> <li>• Internal TTL modulation (on-board oscillator)</li> </ul> Output: Synchro BNC connector |
| <b>Physical specifications</b>   |                                                                                                                                                                                                   |
| Dimensions (W x D x H)           | 448 mm x 145 mm x 387 mm (17 5/8 in x 5 3/4 in x 15 1/4 in)                                                                                                                                       |
| Weight (without battery)         | 7.2 kg (15.9 lb)                                                                                                                                                                                  |
| Available versions               | Benchtop/rackmount                                                                                                                                                                                |

## ORDERING INFORMATION

## OSICS-8-XX

**Rackmount** ■

00 = Without rackmount handles

H = With rackmount handles

Example: OSICS-8-H

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