

OSICS Mainframe

SPECIFICATIONS

8-Channel Modular Platform



The OSICS platform offers the highest flexibility and largest choice of plug-ins required in fiberoptic system testing, particularly for Dense Wavelength Division Multiplexing (DWDM). Up to 8 plug-in modules can be mixed and matched in a single OSICS mainframe, thus fulfilling all needs for applications requiring multi-wavelength sources. OSICS features a complete line of modular sources including OSICS-ECL, tunable external cavity lasers with TUNICS technology; OSICS-DFB, distributed feedback laser diodes and OSICS-TLS, high power ITU-locked lasers.

OSICS Platform Specifications

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Specifications			
OSICS mainframe	Dimensions (W x H x D)	448 x 133 x 370 mm ³	
	Power supply	100 to 240 V, 50 to 60 Hz	
	Control	Instrument front panel, RS-232 C, and IEEE-488.2 ¹	
	Weight (without any module)	8.1 kg	
OSICS modules	Optical interface	ECL, DFB 1310	FC-APC connector on Corguide TM SMF-28 fiber
		DFB (C & L band), TLS	FC-APC connector on polarization maintaining fiber
	Output isolation		35 dB
	Return loss		60 dB
	Analog modulation	ECL, DFB	150 Hz - 1 GHz (external modulation)
	Digital modulation	ECL	500 Hz - 1 MHz (internal or external)
		DFB	1 Hz - 1 MHz (internal or external)
	Dimensions (W x H x D)		35 x 130 x 250 mm ³ (single slot)
	Weight		1 kg (0.7 kg for OSICS-DFB)
Environment	Operating temperature range ²	+15 to +35°C (+59 to +95°F)	
	Warm up time (room temperature)	2 hours max (1 hour typ.)	

Notes

¹ Tested and validated with National Instruments GPIB board.

² ECL module operates from +15 to 30°C (+59 to 86°F).

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