PRO Series

▶ PRO 800 • PRO 8000 • PRO 8000-4

▶ Features & Benefits

Universal, Modular Platform for WDM Applications and Laser Diode Instrumentation

Various Optical Modules Include WDM Laser Sources and Optical Switches

Various Controllers for Laser Diode Current and Temperature

PRO 800 Features Two Fully Independent User Slots

PRO 8000 and 8000-4 Feature Eight Fully Independent User Slots

Remote Control Via RS-232 or IEEE 488.2 with Drivers for LabVIEW and LabWindows/CVI

▶ Applications

WDM Laser Comb for Optical Network Testing

Optical Sources for Components Testing in Production and Quality Control

Current Sources and Temperature Controllers for Laser Diode Operation in Test or Burn-in Applications

The PRO Series chassis offer a menu-driven, flexible platform to operate various kinds of modules with optical or electrical functionality mostly for telecom or fiber optic applications.

The PRO 800, perfect for the lab environment can take up to two modules. The PRO 8000 and PRO 8000-4 with up to eight modules meet ideally the needs of large test setups with a high signal count. Typical applications include: generation of WDM laser combs for EDFA testing, optical network testing or laser diode burn in stations. The PRO 8000-4 meets high power and current demands. The modules are automatically identified and adapt the functions of the softkeys when selected.

The PRO 800, PRO 8000 and PRO 8000-4 chassis are interchangeable with modules with electrical output for laser diode current and temperature control and optical modules providing a laser light output.

The electrical modules consist of cards for laser diode current control (LDC 8000 Series and MLC 8000 Series), cards for temperature control (TED 8000 Series), combination cards for laser diode current and temperature control (ITC 8000 Series) and cards for photo diode current amplification (PDA 8000 Series) (PRO Series electrical modules). The optical set comprises WDM B 8000 cards with DFB lasers for telecom DWDM applications and high channel count test setups, LS 8000 cards with a variety of supplementary telecom lasers as e.g., 1310 nm lasers, CWDM 8000 cards with lasers for metro and access applications and OSW 8000 optical switch cards for optical routing applications (PRO Series optical modules).

Various laser diode mounts are offered as accessories to the PRO Series.

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▶ Characteristics

Chassis PRO 800/PRO 8000/ PRO 8000-4

Display – Alphanumeric display with 4 x 20 characters.

Operation – Menu-driven.

Setting – Function keys and rotary knob.

Protection Features – Key-operated power switch.

TTL Modulation Frequency Range*1 – DC – 10 kHz.

TTL Duty Cycles*1 – Selectable.

TTL Modulation Input*2 – BNC.

TTL Trigger Output*2 – BNC.

IEEE 488.2 Interface*2 – 24-Pin IEEE jack.

RS-232C Interface*2 – 9-Pin D-sub plug.

Chassis Ground*2 – 4 mm banana.

Line*2 – IEC 320 jack.

Line Voltage – 100 V ±10%, 115 V ±10%, 230 V ±10%.

Line Frequency – 50 Hz to 60 Hz.

Operating Temperature – 0 °C to +40 °C.

Storage Temperature – –40 °C to +70 °C.

Relative Humidity – <90%.

Physical Characteristics

PRO 800

Dimensions*3	**mm**	**in.**
Height	133	5.27
Width	232	9.13
Depth	386	15.19
Weight	**kg**	**lbs.**
Without Modules	7	15.43

PRO 8000

Dimensions*3	**mm**	**in.**
Height	133	5.27
Width	449	17.68
Depth	386	15.19
Weight	**kg**	**lbs.**
Without Modules	12	26.46

PRO 8000-4

Dimensions*3	**mm**	**in.**
Height	177	6.97
Width	449	17.68
Depth	456	17.96
Weight	**kg**	**lbs.**
Without Modules	16	35.27

*1 External synchronous current modulation for all modules in the chassis.

*2 At the rear of the chassis.

*3 Dimensions of the chassis without feet and operating elements.

▶ Ordering Information

PRO 800

Chassis, modular control unit, 2 slots, maximum 8A module output current.

PRO 8000

Chassis, modular control unit, 8 slots, maximum 16A module output current.

PRO 8000-4

Chassis, modular control unit, 8 slots, maximum 32A module output current.

Accessories

RACK 19-32 – 19 in. mounting kit for PRO 8000.

RACK 19-42 – 19 in. mounting kit for PRO 8000-4.

	PRO 800	PRO 8000	PRO 8000-4
Max. Output Current For All Modules	8A	16A	32A
Max. Power Consumption	180 W	340 W	640 W
Slots	2	8	8

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Our most up-to-date product information is available at:
www.tektronix.com

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