

PilotPC

Diode Laser Controller
Low Laser Current Noise
High Temperature Stability

Electronic Systems & Devices



Product Features

- Frontpanel graphic interface
- 500mA / 3000mA LD current source with forward voltage measurement
- Const current or const power mode
- 16 W / 32 W TEC control
- Various laser protection features
- Current coupling for modehop free tuning
- GPIB, USB and RS232 remote interface



Specifications

Laser Current Source		Temperature Control	
PC500 Drive Current Output		TEC Output	
Output Current Range	0-500mA	Output Type	Bipolar Constant Current Source
Setpoint Resolution	0.1mA	Compliance Voltage	8V
Setpoint Accuracy	±0.1%	Maximum Output Current	-3A to 3A
Noise (10Hz to 10MHz)	(See Note No. 20)	Maximum Power	32 Watt
Compliance Voltage	0-7V adjustable		
		Sensor	
PC4000 Drive Current Output		Temperature Sensor	Thermistor (10k NTC) IC Temp Sensor AD590
Output Current Range	0-4000mA	Temperature Control Range	-5°C to 30°C
Setpoint Resolution	0.1mA	Setpoint Resolution	0.1°C (-5°C to 30°C)
Setpoint Accuracy	±0.1%		
Noise (10Hz to 10MHz)	(See Note No. 20)		
Compliance Voltage	0-7V adjustable	Common Data	
		Dimension (WxHxD)	270 x 110 x 320 mm
		Weight	< 5kg
Photodiode Feedback		Line Voltage	110V / 115V / 230V +/- 10%
Photodiode Current Range	2-2000µA	Line Frequency	50 .. 60Hz
Type	Diff. 100R Input	Warm-up Time	10min
		Storage Conditions	-25 .. 70°C
		Operating Temperature	0 .. 40°C

Please contact us

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