



*Flexibility For  
Tomorrow's Applications*

## **PILOT** <sub>PC</sub>

Digital High-Power  
Low-Noise Laser Diode Controller

## Product Features

- 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
- External power stage
- RS232 remote interface
- Optional USB, Ethernet remote interface



## Specifications

<i>Laser Current Source</i>		<i>Temperature Control</i>	
<b>PC500OEM Drive Current Output</b>		<b>TEC Output</b>	
Output Current Range	0-500mA	Output Type	Constant current source bridge
Setpoint Resolution	0.1mA	Compliance Voltage	8V
Setpoint Accuracy	±0.1%	Maximum Output Current	-2A to 2A/ -4A to 4A
Compliance Voltage	0-7V adjustable		
		<b>Sensor</b>	
<b>PC3000OEM Drive Current Output</b>		Temperature Sensor	Thermistor (PT1000)
Output Current Range	0-3000mA	IC Temp Sensor AD590	
Setpoint Resolution	0.1mA	Temperature Control Range	-5°C to 30°C
Setpoint Accuracy	±0.1%	Setpoint Resolution	0.1°C
Compliance Voltage	0-7V adjustable		
		<b>Common Data</b>	
<b>Photodiode Feedback</b>		Dimension (WxHxD)	170 x 140 x 42 mm
Photodiode Current Range	2-2000uA	Line Voltage	110V .. 230V
Type	Diff. 100R Input	Line Frequency	47 .. 63Hz
		Operating Temperature	0°C .. 40°C

## Please contact us

Sacher Lasertechnik  
GmbH  
Hannah Arendt Str. 3-7  
D-35037 Marburg/Lahn  
Germany  
Tel.: +49 6421 305 - 0  
Fax: +49 6421 305299

Sacher Lasertechnik  
LLC  
5765 Equador Way  
Buena Park, CA90620  
U. S. A.  
Tel.: 1-800-352-3639  
Fax: 1-714-670-7662

Email: [contact@sacher.de](mailto:contact@sacher.de)  
Web: <http://www.sacher.de>

