



Features

- Extensive laser diode protection features
- High set-point accuracy and voltage measurement accuracy
- On-board data storage for fast LIV data gathering and transfer
- Integrated photodiode measurement
- Integrated thermistor-based temperature measurement
- Low output noise
- GPIB Interface



Model Number	9000-0002	9000-0003	9000-0004
Drive Current Output			
Output Current Range - CW	85 A	70 A	125 A
Output Current Range - QCW	170 A	160 A	220 A
Output Current Range - H Pulse	85 A	70 A	125 A
Settling Time	20 μ s	20 μ s	20 μ s
Maximum CW Power	1020 W	2100 W	3000 W
Compliance Voltage	12 V	30 V	24 V
QCW Mode			
Pulse Width - Range, Pulse Mode	40 μ m to 1 ms	40 μ m to 1 ms	40 μ m to 1 ms
Pulse Width - Range, H Pulse Mode	1 ms to 2 s	1 ms to 2 s	1 ms to 2 s
Pulse Width - Resolution, Pulse Mode	1 μ s	1 μ s	1 μ s
Pulse Width - Resolution, H Pulse Mode	\pm 0.01% +0.5 μ s	\pm 0.01% +0.5 μ s	\pm 0.01% +0.5 μ s
Pulse Width - Accuracy, Pulse Mode	\pm 1 μ s	\pm 1 μ s	\pm 1 μ s
Pulse Width - Accuracy, H Pulse Mode	\pm 1% +0.05 ms	\pm 1% +0.05 ms	\pm 1% +0.05 ms
Pulse Frequency - Range	1 to 1000 Hz	1 to 1000 Hz	1 to 1000 Hz
Pulse Frequency - Resolution	0.1 Hz	0.1 Hz	0.1 Hz
Duty Cycle - Pulse Mode	0.1 to 20%	0.5 to 20%	0.5 to 20%
Duty Cycle - H Pulse Mode	20 to 100%	20 to 100%	20 to 100%
Resolution	0.001		
Rise/Fall Time	<15 μ s	<15 μ s	<15 μ s
Overshoot	<5%	<5%	<5%
Event TRIGGERing			
Trigger Output - Pulse Width			
Trigger Output - Delay			
General			
GPIB Interface	IEEE488/GPIB	IEEE488/GPIB	IEEE488/GPIB
Power Requirements	100-240VAC \pm 10%	100-240VAC \pm 10%	220-240VAC \pm 10%
Size (HxWxD)	146mm x 483mm x 451mm	146mm x 483mm x 451mm	146mm x 483mm x 451mm
Weight	15.4 kg (34 lbs)	16.3 kg (36 lbs)	18.6 kg (41 lbs)
Regulatory Compliance	CE, RoHS	CE, RoHS	CE, RoHS

Warning: Class 4 Laser, Invisible Laser Radiation – Avoid Eye or Skin Exposure to Direct or Scattered Radiation.

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Output Current (125 Amps CW, 220A QCW) and Voltage (70V) Display

Temperature Monitor, Pulse Parameters (Pulse Width, DC, Frequency)



Pulse Trigger Input/Output

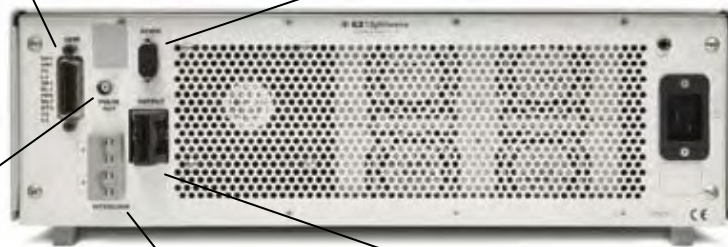
QCW Mode: Adjustable Pulse-Width, Duty Cycle and Frequency

Adjustable I and V Limits

Adjustable PD Bias

GPIB Connector

Thermistor, PD and Voltage Measurement Inputs



Pulse Output

Safety Interlocks

Current Output Connector

BRIGHTNESS and POWER

Breaking Performance Barriers through Semiconductor Laser Innovation

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