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ANALOG MODULES, INC.

a HEICO company

MODEL 8800
FIXED PULSEWIDTH
LASER CONTROLLER

FIXED PULSEWIDTH LASER CONTROLLER

- **MICROPROCESSOR CONTROL**
- **MULTIPLE CONFIGURATION STORAGE**
- **PROGRAMMABLE DUTY CYCLE**
- **RS232 PORT FOR REMOTE CONTROL**
- **MULTIPLE PFN/POWER SUPPLY CONTROL**



DESCRIPTION:

The ***Model 8800*** Laser Flashlamp Controller provides fixed pulsewidth pulses for pumping solid-state lasers. The microprocessor provides the flexibility and convenience of software control. The system status is presented on an easy-to-read LCD graphics display. The *Model 8800* can be configured to include software, simmer supply and a capacitor charging power supply to form a complete turn-key laser flashlamp controller in a 19" rack mounted assembly. The *Model 8800* can also control up to three independent PFN/power supply outputs for Osc/Amp laser applications.

SPECIFICATIONS:

Input	115VAC ± 10% or 198 to 253VAC 1∅, 50/60Hz
Output	
Voltage	Up to 2500VDC
Status Indicators	System status displayed on LCD Power On LED High Voltage LED
Size	
Front Panel	7" x 19"
Chassis	6.5" x 17" x 17"
Weight	<30 lbs. (PFN and power supply dependent)

Standard Features	Microprocessor/RS232 Menu driven interface PFN capacitor PFN inductor 28W simmer supply 8' HV lamp output cable 115/230VAC input cable with plug Operating Manual
Options	Custom software Custom PFN's Power supply up to 3kW 60W simmer supply

ISO 9001 CERTIFIED

Specifications subject to change without notice.

Contact our applications staff for detailed information.

APPLICATIONS:

Solid-State Laser Control where Fixed Pulsewidths are Required.

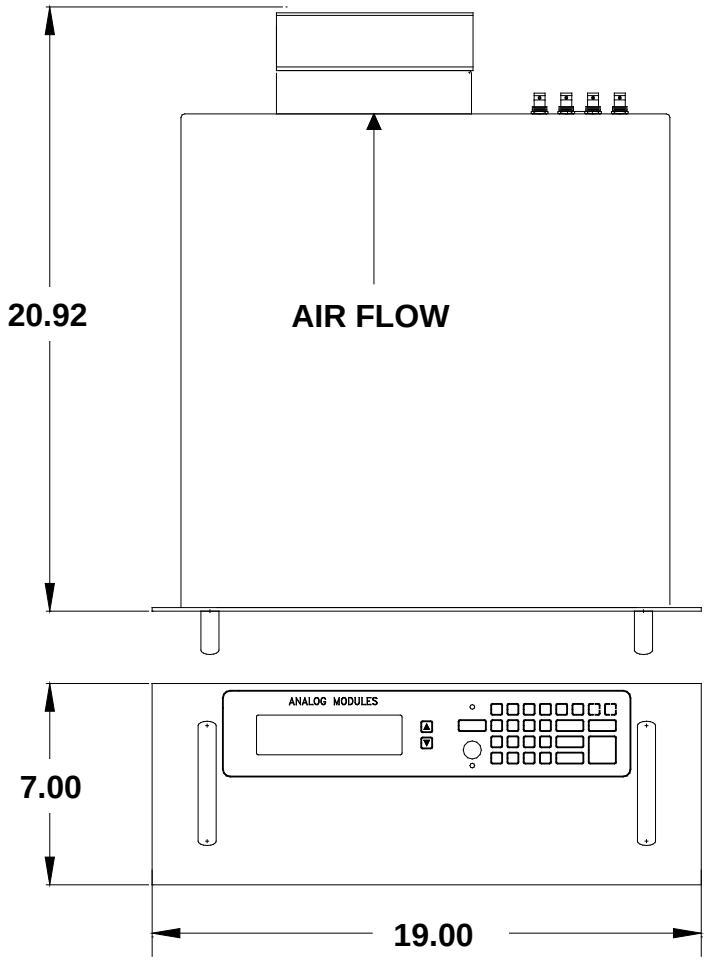
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OPTIONS		8800-7
PFN Capacitor Value	10μF 25μF (STD) 50μF 100μF 150μF	-10 -25 -50 -100 -150
PFN Inductor Value	60μH (STD) 80μH 100μH >100 to 300μH	-60 -80 -100 -(value)
Power Supply	1500W 2500W	-5 -10
Charge Voltage (up to 2.5kV) e.g. 1500V		-(value)
Simmer Output	28W 60W	-S -SZ
Input Voltage	110VAC, 1∅ 230VAC, 1∅	-C -D

Typical Part Number:
8800-7-25-110-5-1500-SZ-D =

Front Panel Height:	7”
Capacitor Value:	25μF
Inductor Value:	110μH
Power Supply:	1500W
Charge Voltage:	1500V
Simmer Power:	60W
Input:	230VAC, 1∅



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