

HESP-E-AO-PS Laboratory Laser Driver

(For use with AO-1010 and AO-610 lasers)

85A, 10Hz pulsed laser driver with RF modulator for Acousto-Optic (AO) Q-switch. Includes LabVIEW software for computer control (via USB), soft-start, precision current control, and advanced laser protection.



Power Input	90-240 VAC, 50-60 Hz, 6A
Output Current Range	30-85A +/- 0.5A (programmable via software)
Pump Pulsewidth	<3.6mS (photodiode feedback controlled)
Pulse Repetition Rate	0-10Hz (programmable via software)
External Fire Input Signal	+5V TTL (4 to 30V, 0.5 to 3mS pulse) Optically Isolated Input
Trigger Sync Output Signal	+5V, 1mS pulse (>=50 ohm load) Synchronized with Laser Output Pulse
Size (W x D x H)	11.8" x 10.3" x 5.3" (300mm x 261mm x 135mm)
Weight	14lbs (6.4Kg)
Temperature Range	0°C to +50°C (Operating)
Remote Control	External BNC connector and via USB cable
Software	Kigre LabVIEW GUI; Supported Operating Systems: Windows XP, 7, 8
RF Output	80MHz, 60W, 50 Ohms