



Diagnostics & Safety Box for Flashlamps

MegaWatt Lasers is pleased to announce the development of a diagnostic & safety box for flashlamps. The new unit includes an integrated high-current probe and a high-voltage probe specifically designed to help measure actual pump energy in pulsed flashlamp-pumped laser applications. A protective see-through top is provided to allow quick verification of high voltage electrical connections while maintaining non-contact safety. An auto-sensing simmer trigger pulse is provided for lamp ionization. An external trigger transformer is available on request. An oscilloscope preloaded with software for plug-and-play flashlamp pump energy measurements is also available.



Specifications

Parameter	Value
Maximum Pulsed Current	1200 Amps
Maximum Voltage:	1500 Volts
Current Output Scale (I/O)	0.02V/A (50A = 1V) +/- 1%
Voltage Output Scale (I/O)	0.01V (100V = 1V)
Current Output Connector:	BNC, 50-ohms, Use 1M-Ohm Scope Input
Voltage Output Connector:	Cable, Use 1M-Ohm Scope Input
Maximum Flashlamp Wire Size:	8 AWG
Voltage to Trigger Coil Primary:	400V
Energy to Trigger Coil Primary:	38mJ
Discharge Capacitor:	0.47uF
Trigger Coil Pulse Rate:	Approximately 30Hz
Recommended Trigger Coil:	MWL # C467, 1:36 Step-Up Turns Ratio
Enclosure Dimensions (L x W x H):	23.9 x 16 x 8.9 cm (9.4 x 6.3 x 3.5 inches)



➤ For more information, contact sales@megawattlasers.com