

IR-860 ENERGY MODULATOR SYSTEM



Specifications:

Motor Spindle Speed Range:	75-7500 RPM
Warm Up Time:	1 Hour for Optimum Stability
Stability:	0.5% of set frequency or 0.25% of full scale over 4 hours
Control Type:	Closed Loop Brushless DC Motor Controller with Phase Sensors
Meter Indication:	Chopping Frequency in Hertz
Meter Accuracy:	± 1 Digit
Reference Frequency Output:	0-5 V TTL Level, 600 Ohms Output
Power Requirements:	200 Watts 110 or 220 VAC 50-60 Hz
Dimensions: Modulator:	6.88" Diameter (175mm)
Controller:	8.5" x 8" x 3.75" (216x203x95mm)
Weight:	6.5 lbs

Interfaces directly with the IR-563 and IR-564 Blackbody Systems

BLADE TYPES:

Blade	Freq Range	Number of Slots	Slot Width @ Center	Maximum Aperture
A	1.25-125HZ	1	7.854"	1.0"
B	2.5-250HZ	2	3.927	1.0
C	10-1000HZ	8	0.982	0.992
D	30-3000HZ	24	0.327	0.327
E	50-5000HZ	40	0.196	0.196
F	100-10000HZ	80	0.098	0.098
G	300-30000HZ	240	0.0327	0.0327
H	62.5-6250HZ	50	0.157	0.157
J	450-45000HZ	360	0.022	0.022
K	3.75-375HZ	3	2.618	1.0

7319 SANDSCOVE CT. #4 Φ WINTER PARK, FL 32792

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IR-762 ENERGY MODULATOR SYSTEM



SPECIFICATIONS:

Dimensions: 8.5"W x 3.75"H x 8"D
Input and Output Connectors: BNC's
Frequency Control: Precision Rotary knob

External Control: Switch Enable
Input Power Connection: IEC Connector with US style power cord

Weight: 5lbs (10 lbs. Shipped weight)
Operating Temp: 10-40° C
Display Type: Red LED Segments
No of Digits: 4
Frequency Resolution: 1 HZ

762 HEAD

Motor: 11 pole dc motor, sleeve bearing, precious metal bushes
Ambient Temp: -20°C to + 65°C
Optical Sensor: High speed, IR LED Phototransistor Switch
Finish: Non-reflective Mil-A-8625E Type II black anodized

POWER SUPPLY

Supply Type: Linear
Voltage Selection: 115 / 230 VAC
Input Voltage: 110 / 115 VAC +/- 10%, 230VAC +/- 10%
Line Frequency: 50-60Hz
Input Power: 20VA MAX
Fuse Ratings: 250mA @ 115VAC
 125mA @ 230VAC
Fuse Type: 250V, Slow Blow Type 'T'

BLADE TYPES:

Freq Range	Number of Slots	Maximum Aperture	Jitter
20 Hz – 200 Hz	2	1.85"	+/- 0.2° max
20 Hz – 1 KHz	10	0.40"	+/- 1° max
60 Hz – 3 KHz	30	0.13"	+/- 3° max

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