

Ambient Temperature Control Module IESNA LM-82 Specifications

Included with LM-82 Module:

- Thermal Chamber with TEC, Temperature Sensors, Device Mount
- 1U size Electronic Module with Temperature Monitors
- Integral™ License with LM-82 Report Generator

Chamber Temperature Range : ($T_{min} - T_{max}$)	15°C – 70°C
Time to Achieve T_{max} from Ambient:	20 minutes
Temperature Accuracy:	± 2°C
Time to Achieve T_{min} from Ambient:	20 minutes
Thermal Chamber Dimensions:	14" h x 8.5" diameter
Thermal Chamber Weight:	9 lb with top chamber
Max Device Sizes That Can Be Mounted:	7" h x 6" diameter
Max Weight That Chamber Can Withstand:	25 lbs
Device Mounting Arrangement:	¼-20 breadboard inside chamber
Type of Thermocouples:	Mini J
Number of Temperature Monitoring Points: (inside chamber)	3

AC Module Specifications

AC Power Supply Specifications

Model	Chroma 61603
AC OUTPUT RATING	
Max. Power:	1.5 kVA
Voltage	
Range:	0 - 300 V
Accuracy:	0.2% + 0.2% F.S.
Resolution:	0.1 V
Distortion:	0.3% @50/60 Hz 1% 15 - 1K Hz
Line Regulation:	0.10%
Load Regulation:	0.20%
Temp. Coefficient:	0.02% per degree from 25°C

Maximum current

r.m.s.	12 A / 6 A
Peak:	72 A / 36 A
Range:	DC, 15-1K Hz
Accuracy:	0.15%

DC OUTPUT RATING

Power:	750 W
Voltage/Current	212 V at 6 A 424 V at 3 A

Temperature Range

Operation:	0°C to 40°C
Storage:	-40°C to 85°C
Humidity:	30% to 90%
Safety & EMC:	FCC 15J class A, CE

AC Power Meter Specifications

Model	Xitron 2801
Operating:	0°C to 55°C, <95% RH non-condensing
Storage:	-20°C to 70°C, non-condensing.
Measurement Range:	up to 2000 V peak and 150 A peak internally
Frequency Range:	DC and 20m Hz – 200k Hz
Frequency Accuracy	
Measurements:	0.005%
Voltage	
Range: (measurable)	2000 V pk (850 V rms) max. continuous
Internal Current Range: (measurable)	150 A pk (30 A rms) max. continuous
Crest Factor Accuracy:	
V	(50m V + 0.01% of pk rng)/RMS value
A	(50u A + 0.01% of pk rng)/RMS value
Harmonic Accuracy: (voltage & current)	0.02%
Base Accuracy:	<0.08%.