

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

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- In stock / Ready-to-ship
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Expert team | Trust guarantee | 100% satisfaction

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Model 117A Data Sheet

Specifications*	Model 117A
Frequency Stabilized Mode:	
Frequency Stability	
1 minute	±0.5 MHz
1 hour	±2 MHz
1 day (8 hr period)	±3 MHz
Frequency vs Temperature	< ½ MHz/°C
Temperature Range, Maintain Lock	20 ± 10°C
Intensity Stability	~1%
Intensity Stabilized Mode	
Intensity Stability	
1 minute	< 0.1%
1 hour	< 0.1%
Frequency Stability	
1 minute	±3 MHz
1 hour	±5 MHz
Either Mode	
Output Power @ 632.8 nm	≥1.0 mW
Frequency (nominal)	473.61254 terahertz
Beam Characteristics	
Beam Diameter	0.5 mm
Beam Divergence	1.6 mrad
Resonator Characteristics	
Transverse Spatial Mode	TEM_{00}
Polarization	linear, >1000:1
RMS Output Power Ripple (Typical)	
Line	0.001% @ 50/60 Hz
Servo Loop	0.005% @ ≈5 kHz
High Voltage	0.05% @ ≈24 kHz

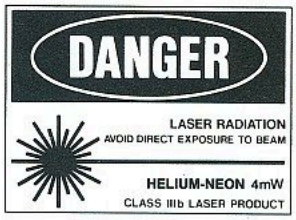
*Specifications subject to change without notice.

800

Warranty

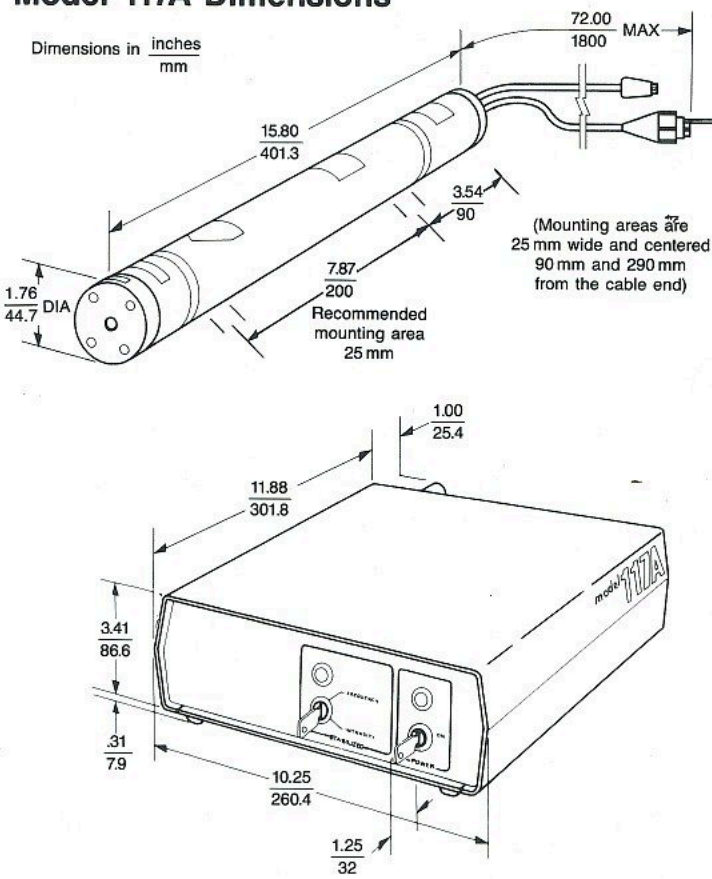
This Spectra-Physics laser is protected by a one-year warranty. All mechanical, electronic, and optical parts and assemblies, including the plasma tube, are unconditionally warranted to be free from defects in workmanship and materials during the warranty period, which begins on delivery.

Laser Safety



CDRH warning logotypes, similar to that shown on the left, appear on each laser to indicate the CDRH classification and to certify that the output power of the laser will not exceed the power level printed on the logotype.

Model 117A Dimensions



Spectra-Physics

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Order Placement, Price, Delivery Information: Ext. 2400

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

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