

JDSU 2211-20SLE

Air-Cooled Argon-Ion Laser Head



In Stock

Used and in Excellent Condition

Open Web Page

<https://www.artisanng.com/54528-1>

All trademarks, brandnames, and brands appearing herein are the property of their respective owners.



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

Artisan Technology Group

(217) 352-9330 | sales@artisanng.com | artisanng.com

- Critical and expedited services
- In stock / Ready-to-ship

- We buy your excess, underutilized, and idle equipment
- Full-service, independent repair center

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

Air-Cooled Argon-Ion Laser Heads in Cylindrical and Rectangular Packages

2211/14 Series



Key Features

- Integral-mirror, metal-ceramic construction
- Hands-off operation
- Ultralow noise
- Fast warm-up
- Rugged construction
- Vibration isolation
- Ultrastable resonator and beam pointing

Applications

- DNA sequencing
- Flow cytometry
- Confocal microscopy
- Semiconductor inspection
- Hematology
- High speed printing
- Photo processing

Compliance

- CE per specification EN55011 and EN50082-2
- UL 1950 and 1262
- CDRH 21 CFR 1040.10
- EN60825-2
- EN60950, IEC 950, and EN61010

JDSU's air-cooled argon lasers are designed for complex, high-resolution OEM applications such as flow cytometry, DNA sequencing, graphic arts, and semiconductor inspection. They are available in two packages:

Cylindrical Package

Symmetric design and axial airflow in the cylindrical argon ion laser heads provide the best mechanical package to ensure optimum beam-pointing stability and fast warm-up. Both initial installation and routine maintenance are straightforward due to tight production control of optical and mechanical tolerances. Blower-induced mechanical vibration is virtually eliminated through the use of flexible ducting between the laser head and blower assembly.

Rectangular Package

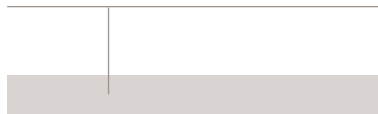
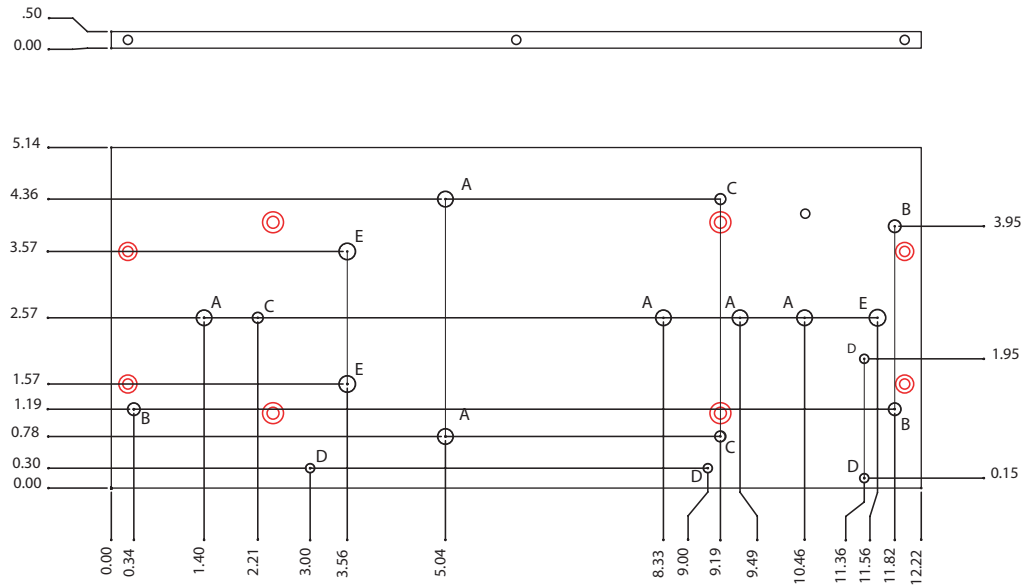
Industry-standard rectangular packaging and a variety of wavelength options ensure easy initial installation and field replacement for most applications. As with JDSU cylindrical laser heads, rectangular models incorporate axial airflow for exceptional beam pointing stability and fast warm-up. A top-mounted fan assembly simplifies installation.

[illegible]

3

2211 Series Base Plate

(Specifications in inches unless otherwise noted.)



Hole	Description
A	M6
B	10-32 UNC-2B
C	8-32 UNC-2B
D	6-32 UNC-2B
E	1/4-20 UNC-2B

4

Specifications

Parameter	2214 -xxSL	2214 -xVL	2214 -xxGL	2214 -xxML ^{1,2}	2211 -xxSL	2211 -xVL
Optical						
Output power (TEM ₀₀ , mW)	10/20/30	4	15/20	25/40	20/30	4
Wavelength (nm)	488	458	515	458 to 515	488	458
Mode purity (TEM ₀₀)				>95%		
Beam diameter (1/e ² ±5%, mm)	0.70	0.69	0.69	0.71	0.70	0.67
Beam divergence (mrad ±5%)	0.90	0.90	0.90	0.90	0.90	0.90
Minimum polarization ratio				250:1		
Longitudinal mode spacing (MHz)				566		
Noise						
p-p, 20 Hz to 2 kHz				≤0.1%		
p-p, 20 Hz to 20 kHz				≤0.1%		
rms, 20 Hz 2 MHz				≤1.0%		
Maximum drift (light control mode over 2 hours)				≤1.0%		
Maximum warm-up timer (to 95% power, minimum)				5 minutes		
Beam pointing stability After warm-up (2 hours, 25±3 °C)				<30 µRad		
CDRH class				IIIb		
Static alignment						
Beam position				±0.25 mm		
Beam angle				±2.5 mrad		
Environmental						
Temperature						
Operating				4 to 40 °C		
Non-operating				-30 to 60 °C		
Altitude						
Operating				0 to 10,000 feet		
Non-operating				0 to 70,000 feet		
Relative humidity (non-condensing)						
Operating				0 to 90%		
Non-operating				0 to 100%		
Shock						
Operating				25 g for 11 ms		
Non-operating				25 g for 11 ms		
Physical						
Weight	8.5 lbs.	8.5 lbs.	8.5 lbs.	8.5 lbs.	14 lbs	14 lbs
Umbilical length				72±2 inches		

1. For ML (multiline) models, 458, 476, 488, 497, 502 and 515 nm wavelengths are present.

2. For 2214 models, nominal airflow is 52 CFM. Use JDSU model 2402 or equivalent fan rated for 140 CFM free air and typical pressure head of 0.95 inches of water.

5

Ordering Information

For more information on this or other products and their availability, please contact your local JDSU account manager or JDSU directly at 1-800-498-JDSU (5378) in North America and +800-5378-JDSU worldwide or via e-mail at customer.service@jdsu.com.

Sample: 2214-10SL

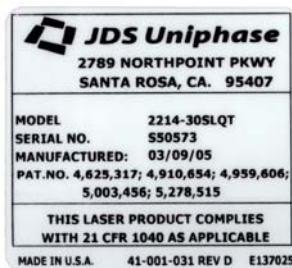
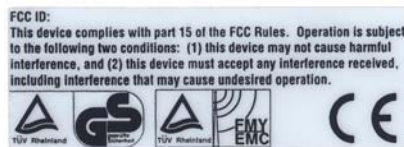
Product Code	Description
2214-10SL	Argon laser head medium power, cylindrical package, 10 mW output power, single line operation at 488 nm
2214-20SL	Argon laser head medium power, cylindrical package, 20 mW output power, single line operation at 488 nm
2214-30SL	Argon laser head medium power, cylindrical package, 30 mW output power, single line operation at 488 nm
2214-4VL	Argon laser head medium power, cylindrical package, 4 mW output power, violet line operation at 458 nm
2214-15GL	Argon laser head medium power, cylindrical package, 15 mW output power, green line operation at 515 nm
2214-20GL	Argon laser head medium power, cylindrical package, 20 mW output power, green line operation at 515 nm
2214-25ML	Argon laser head medium power, cylindrical package, 25 mW output power, multiline operation at 458 to 515 nm
2214-40ML	Argon laser head medium power, cylindrical package, 40 mW output power, multiline operation at 458 to 515 nm
2211-20SL	Argon laser head medium power, rectangular package, 20 mW output power, single line operation at 488 nm
2211-30SL	Argon laser head medium power, rectangular package, 30 mW output power, single line operation at 488 nm
2211-4VL	Argon laser head medium power, rectangular package, 4 mW output power, violet line operation at 458 nm

Warranty

The 2211/14 laser heads are warranted to be free from defects in materials and workmanship for 5,000 hours of operation at or below specified power or for 12 months from the date of shipment, whichever occurs first. All other components of the laser and power supply are warranted to be free from defects and workmanship for 12 months from the date of ship.

Regulatory Compliance

The products listed in this datasheet comply with one or more of the following regulatory standards, and may display one or more of the safety labels shown below. Contact your local JDSU sales representative for additional information on specific products or configurations.



All statements, technical information and recommendations related to the products herein are based upon information believed to be reliable or accurate. However, the accuracy or completeness thereof is not guaranteed, and no responsibility is assumed for any inaccuracies. The user assumes all risks and liability whatsoever in connection with the use of a product or its application. JDSU reserves the right to change at any time without notice the design, specifications, function, fit or form of its products described herein, including withdrawal at any time of a product offered for sale herein. JDSU makes no representations that the products herein are free from any intellectual property claims of others. Please contact JDSU for more information. JDSU and the JDSU logo are trademarks of JDS Uniphase Corporation. Other trademarks are the property of their respective holders. ©2006 JDS Uniphase Corporation. All rights reserved. 10143152 Rev. 002 ALH22112214.DS.CL.AE

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

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at [artisanng.com](https://www.artisanng.com) for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisanng.com | [artisanng.com](https://www.artisanng.com)

