

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.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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High-Power Helium Neon Laser Systems

- Output power to 35 mW
- $M^2 < 1.1$
- >95% TEM_{00} mode
- Complete systems, including power supply
- CE compliant (230-Vac version only)

The Melles Griot family of high-power helium neon lasers exhibit the long life, excellent stability, and field-proven performances that have made Melles Griot the undisputed worldwide leader in helium neon laser technology.

The 25 LHR/P 925, 828, and 928 lasers have guaranteed performances of 17, 25, and 35 mW, respectively, making them ideal for Raman spectroscopy, holography, fast scanning, and test and measurement applications. Most are available either in randomly or linearly polarized (with >500:1 extinction ratio) configurations, and they can be mounted in a variety of orientations without sacrificing power or performance. Systems are convection cooled and operate from standard 100 Vac, 115 Vac, or 230 Vac outlets.

SPECIFICATIONS:
HIGH-POWER HELIUM NEON LASER SYSTEMS

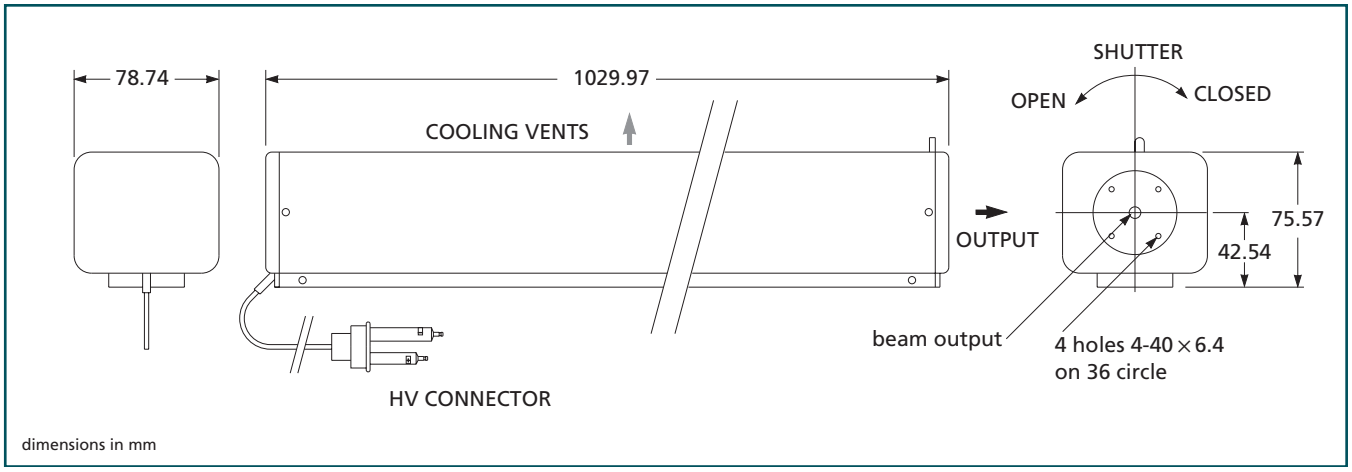
Wavelength: 632.8 nm
Transverse Mode: TEM_{00}
Pointing Stability: <0.03 mrad after 30 minutes
Long-Term Drift: ±2% per hour
Noise (rms): <1%
Noise Frequency: 30 Hz to 10 MHz
Input Voltage: 100 Vac,115 Vac, or 230 Vac ± 10% (specify)
Input Frequency: 50–60 Hz
Shock: 25 G for 11 msec
Operating Temperature: −20°C to +40°C
Nonoperating Temperature: −40°C to +80°C
Operating Humidity: 0% to 90% non condensing
Nonoperating Humidity: 0% to 100%
CDRH Class: IIIb
IEC Class: 3B
CE Compliance: Compliant (230-Vac version only)

High-Power Helium Neon Laser Systems

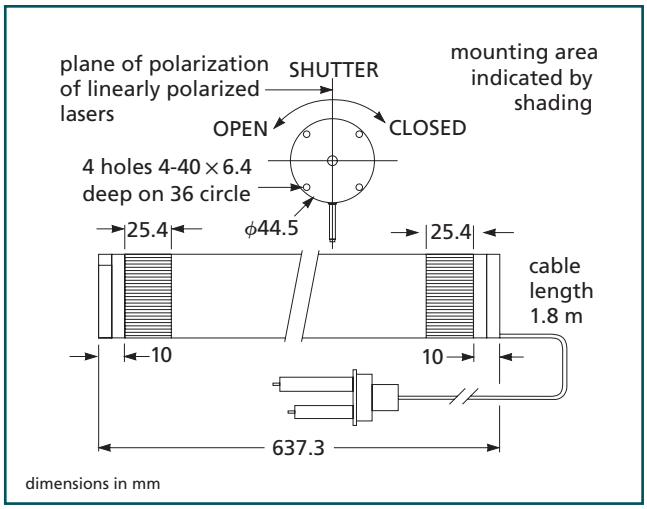
cw Output Power (mW)	Beam Diameter ($1/e^2$) (mm)	Beam Divergence ($1/e^2$) (mrad)	Maximum Mode Sweeping (%)	Polarization	Longitudinal Mode Spacing (MHz)	Noise (30 Hz–10 MHz)	Package Configuration	PRODUCT NUMBER*
17.0	0.96	0.84	≤1	Random	257	<0.5% rm	Cylindrical	25 LHR 925
17.0	0.96	0.84	≤1	Linear	257	<0.5% rms	Cylindrical	25 LHP 925
25.0	1.23	0.66	5	Linear	165	<1.0% rms	Rectangular	25 LHP 828
35.0	1.23	0.66	5	Linear	165	<1.0% rms	Rectangular	25 LHP 928

**Add the appropriate suffix to the product number to indicate input voltage: -461 for 100 Vac, -249 for 115 Vac, -230 for 230 Vac.*

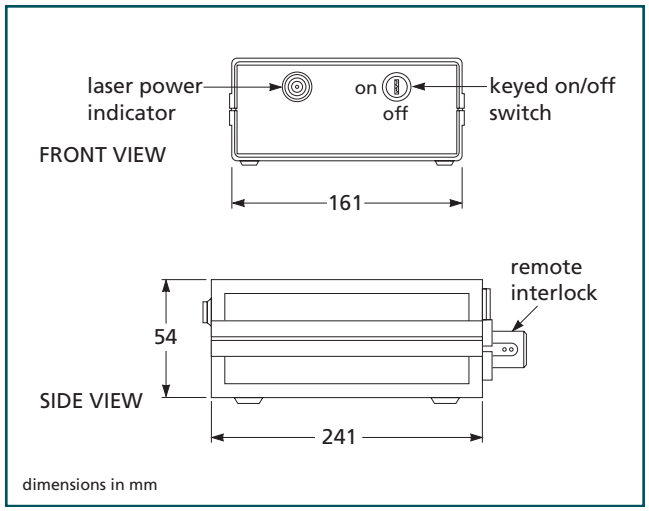
OEM ASK ABOUT OUR CUSTOM CAPABILITIES



25 LHP 828 and 928 high-power helium neon laser head



25 LHR/P 925 high-power helium neon laser head



High-power helium neon laser power supply

OEM ASK ABOUT OUR CUSTOM CAPABILITIES

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 **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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