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TECHNOLOGY GROUP

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Artisan Technology Group
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Custom engineering
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Find the *Zygo 7701A/E* at our website: *Click HERE*

Zygo Laser Head - Model 7701

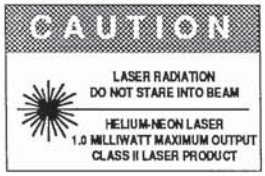
Physical Characteristics:
Dimensions: See Figure
Weight: 5.5 Kilograms (12.0 lb)
Clearance required for cable: 11.5 cm (4.5 in.)

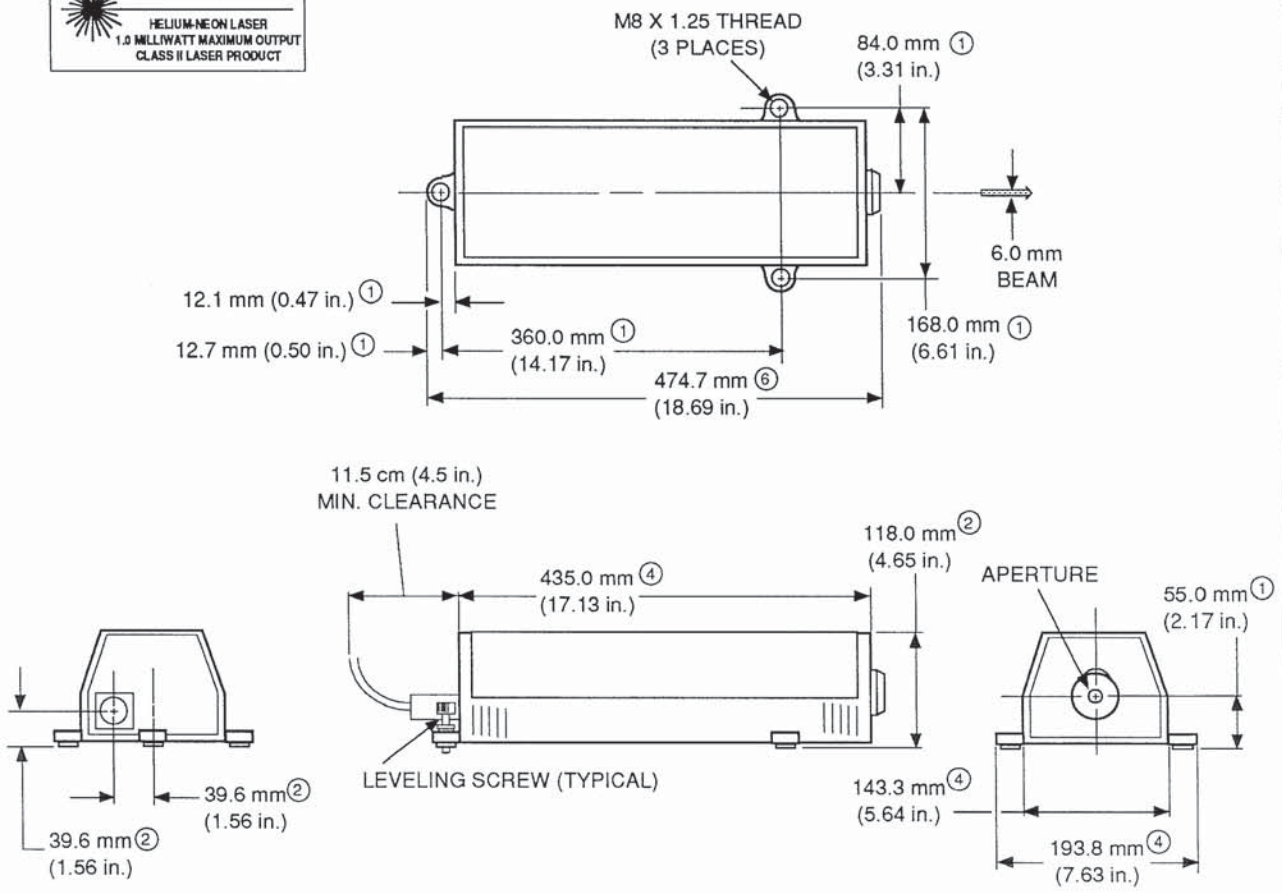
Electrical:
Power Input Requirements:
- 15 VDC ±0.3 V at 0.5 A
+ 15 VDC ±0.3 V at 1.5 A
+ 24 VDC ±0.5 V at 0.6 A

Power Dissipation:
27 watts during operation
37 watts during warmup
Warmup Time: less than 30 minutes

Laser Beam Characteristics:
Type: Helium-Neon, Continuous Wave, Two-Frequency
Maximum Beam Power Output: < 1 milliwatt
Minimum Beam Power Output: >300 microwatts
Maximum Power Difference Between Two Frequency Components: 5% of total power

Laser Beam Characteristics (continued):
Beam Diameter: 6 millimeters (0.24 in.)
Beam Pointing Stability:
< 1 arc sec after 2 hour warmup
< 0.1 arc sec/°C ambient temperature change after warmup
Frequency Difference: 20 MHz ±600 Hz
Maximum Second Frequency Component in Each Polarization: 1%
Vacuum Wavelength Lifetime Accuracy: ± 0.1 ppm
Vacuum Wavelength Stability: ± 0.01 ppm/24 hours
Vacuum Wavelength:
F1: 632.991501 nanometers (vertical polarization)
F2: 632.991528 nanometers (horizontal polarization)
(horizontal polarization is parallel to the Laser Head mounting surface)
DHHS Laser Safety Classification: Class II laser product conforming to NCDRH regulations





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We buy equipment

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

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