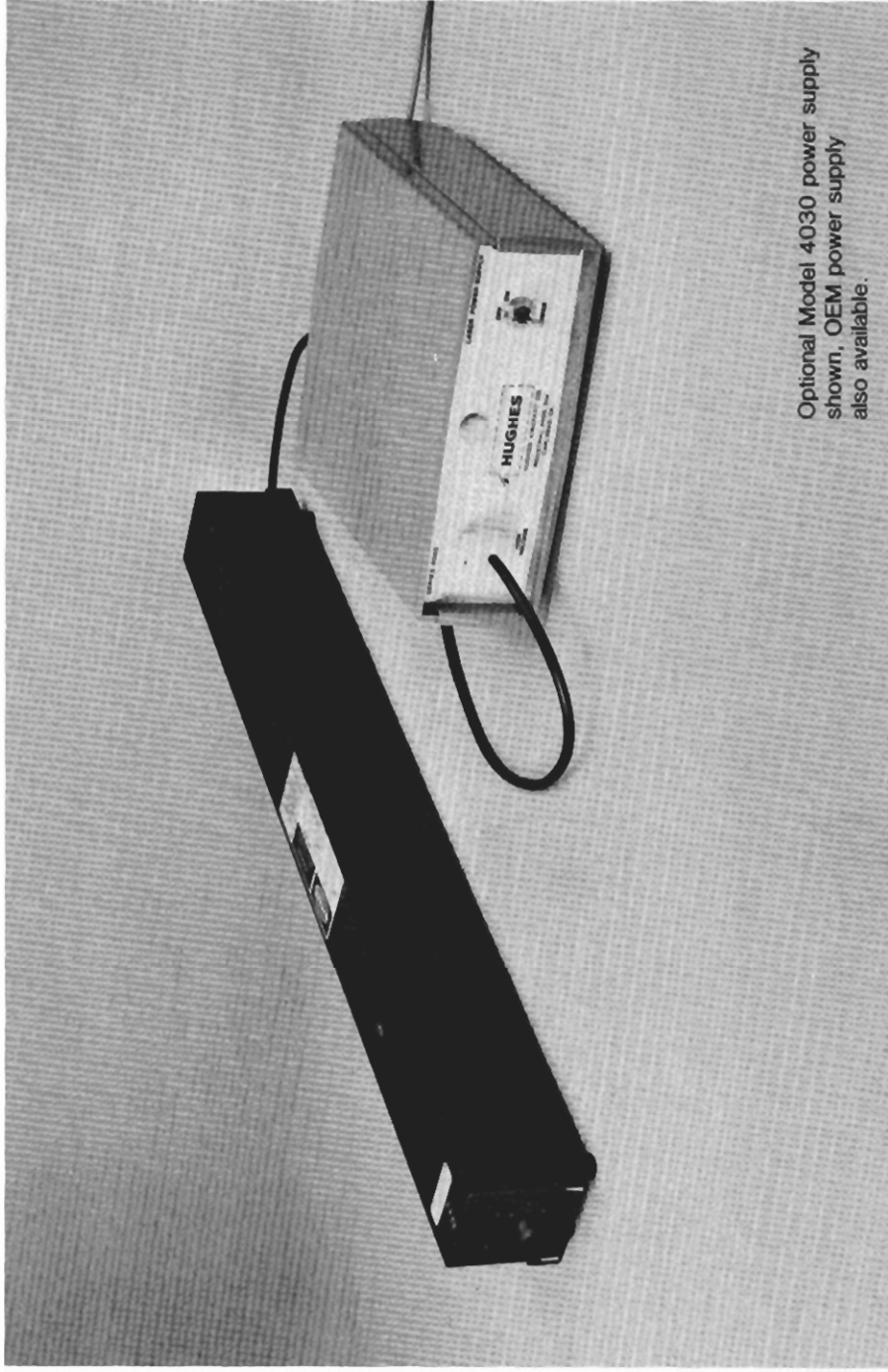




HUGHES Model 3235H 10 mW Helium-Neon Laser

The Hughes Model 3235H helium-neon laser provides more than 10 milliwatts of output power at 632.8 nanometers. Its highly stable output is well suited to scientific and industrial applications that require compact size. Examples include Raman spectroscopy, holography, light scattering, laser Doppler velocimetry, reprographics, and other general industrial measurements.

HUGHES

HUGHES AIRCRAFT COMPANY
INDUSTRIAL PRODUCTS DIVISION
CARLSBAD, CALIFORNIA

LASER SPECIFICATIONS

LASER HEAD
MODEL NO. 3235H-C

HEAD MODEL
NO. 3235H-PC

• Minimum output power TEM ₀₀ at 632.8 nm (mW)	10.0	10.0
• Beam diameter 1/e ² (mm)	1.43	1.43
• Beam divergence (mrad)	0.6	0.6
• Polarization	Random	>500:1
• Beam amplitude noise (30 Hz-10 MHz) (rms)	≤1.5%	≤1.5%
• Longitudinal mode spacing (c/2L) (MHz)	265	265
• Long term power drift (in any 8 hour period following 15 minutes warm-up)	±5%	±5%

POWER REQUIREMENTS AND CHARACTERISTICS

- Starting voltage < 12.0 kVdc
- Operating voltage 3400 Vdc ±100
- Optimum operating current 9.3 mA ±0.2
- Cable length from laser to supply 6 ft

ENVIRONMENTAL SPECIFICATIONS

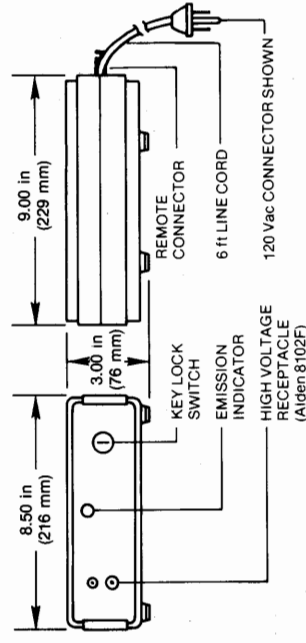
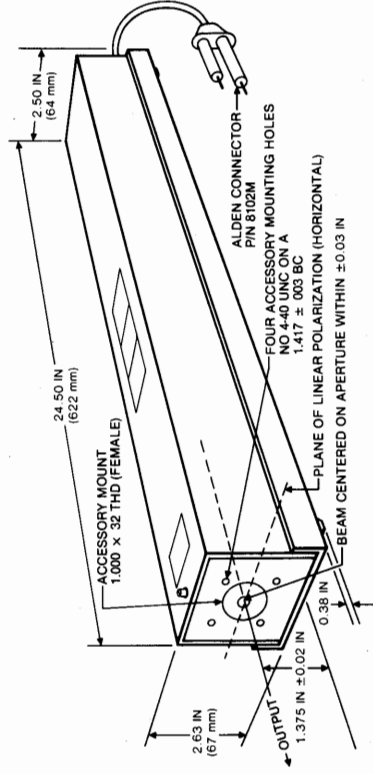
- Operating temperature 10°C to 50°C
- Altitude 0 to 10,000 ft
- Relative humidity without condensation 0 to 100%

POWER SUPPLY SPECIFICATIONS — MODEL 4030

- Time Delay Ignition 3-5 seconds
- Mass 4.1 lb/1.9 kg
- Frequency 50-400 Hz
- Input Voltage Options 115 Vac ±10% or 230 Vac ±15%

To order models wired for 230 Vac operation, add letter "F."
Specifications are subject to change without notice.

This system is warranted to be free from defects in workmanship and materials for a period of one year following shipment from Hughes.



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