

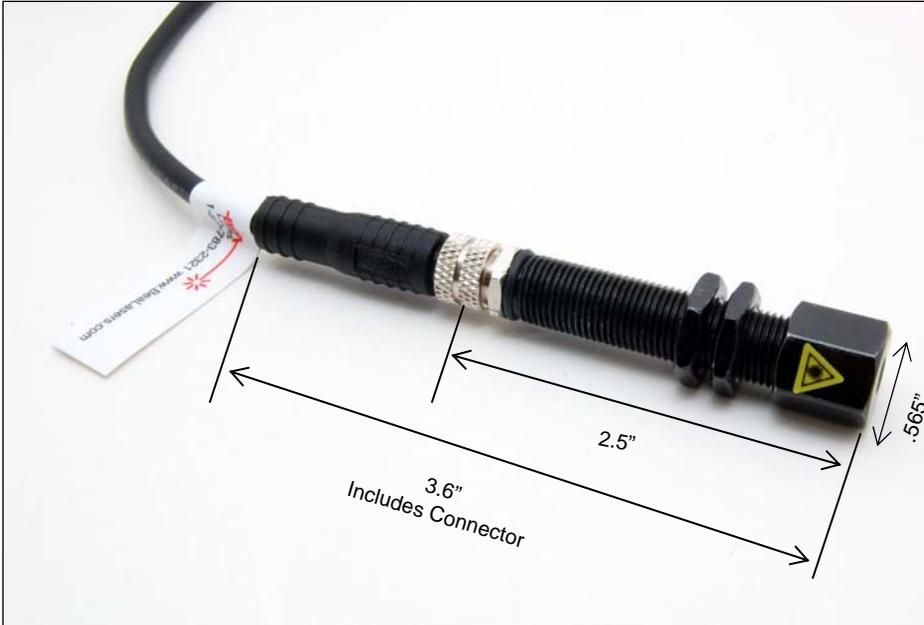
Red
Sensor Housing Style
Laser Diode Module



Need a Reliable Laser?

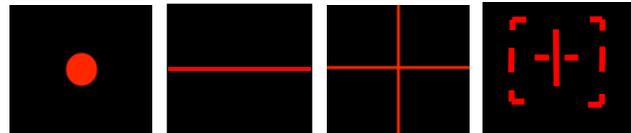
BEA Electro Sales'
Sensor Housing Laser Diode Modules
stand up to the most demanding sensor conditions.

Ready for virtually unlimited industrial OEM applications, this unit is built to be reliable in the toughest jobs.



Model
Number: SEN-301 or 3 or 5NM-650

Available
 Targets



With a 1/8" NPT threaded heat sink case, the unit may be mounted and used in industrial OEM equipment applications.

- Built to withstand:*
- Liquids (water resistant)
 - Vibration
 - Chemicals
 - Impact
 - Dust

Included:

The complete package includes the laser module, a connector cable assembly (90° or 180°). Various targets available.

Applications:

- Fastener Positioning
- Measuring Surface Flatness
- Semiconductor Mfg
- Paper Machines
- Textiles

- Drill Alignment
- Bore Alignment
- Printing Presses
- Electronic Component Mfg.



A Division of BEA Electro Sales

1400 Howard Street **PHONE: (847) 238-1420**
Elk Grove Village, IL **FAX: (847)-238-1423**
60007 **www.bea-eo.com**

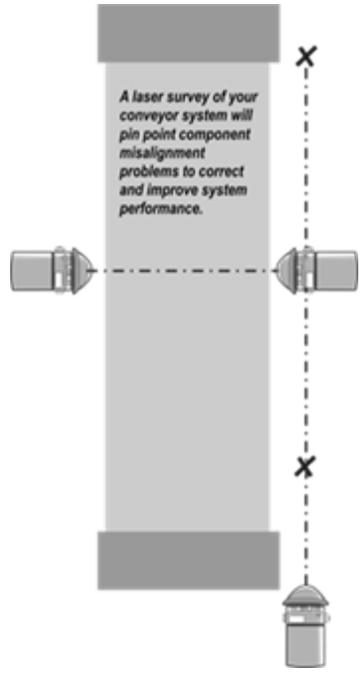
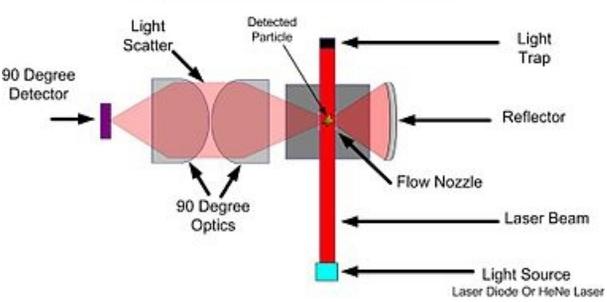
Red Sensor Housing Laser Diode Module



THIS IS ONE COOL LASER

THERMAL HEAT SINK – Lasers usually fail because they get too hot when they operate in high ambient environments. The BEA SEN-303-650 has generous heat sinking built in to solve this problem.

Top Down View of Particle Counter



Optical	
Output Power (mW)	1, 3 or 5
Wavelength (nm)	650 (Red Laser)
Class	II / IIIa
Lens	Plastic
Focus	Fixed
Operation Mode	Continuous Wave
Spectral Line width (nm)	<0.1
Beam Diameter, 1/e ² (mm)	<1
Beam Divergence (mrad)	0.8
Output Power Stability for 1 hour	<±5% (typical 1%)

Electrical/Mechanical	
Operating Voltage (VDC)	5 VDC
Operating Current (mA)	< 30
Circuit Design	Auto Power Control
Lead Length	1 Meter
Housing Material	Black Zinc Coated Brass
Length	2.5 Inches
Body Diameter	1/8" NPT / 10mm / .385"
MTTF (hr)*	> 10,000 Hours

Optional Power Supply	
Rated Input Voltage	83 Vac - 230 Vac
Output	5 V
Current Range	0 - 3 A
Humidity	20% - 90% RH
MAX. Required Free Space	25mm on all sides
UL/cUL	UL/60950-1 / TUV60950-1AP

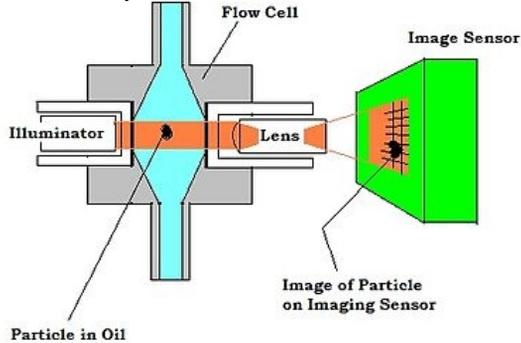
Optional Power Supply Available



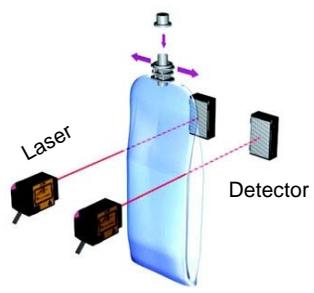
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Air Quality



Edge Detection



WARNING: Laser Beams and Hazards

Lasers produce an intense, highly directional beam of light. If directed, reflected or focused upon an object, laser light will be partially absorbed, raising the temperature of the surface and/or the interior of the object, potentially causing an alteration or deformation of the material. Lasers can also cause tissue damage. However, lower-power lasers may emit levels of laser light that are not a hazard.