

Top five product features!

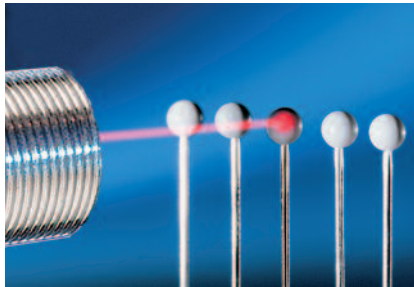
- *Class 1 laser light source detects small objects and provides visual indication of beam alignment*
- *316 stainless steel housing designed and tested to withstand industrial automation applications*
- *Extremely long sensing ranges for application flexibility*
- *Innovative two-pushbutton 'Teach Mode' offers simple adjustment for quick setup*
- *Flexible mounting bracket system simplifies installation*

Class 1 laser sensors detect small parts at long distances

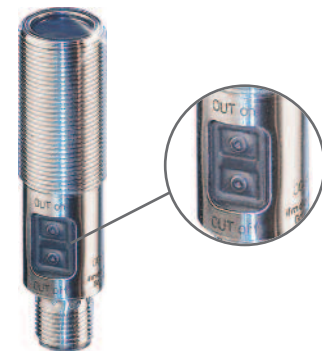
Laser sensors are used where detection of small objects or precise positioning is required. Laser light consists of light waves of a single wavelength, high in energy and power density because the waves are in phase with each other. This results in a tightly focused, almost parallel light beam that can detect very small objects at long ranges.

An important feature of the laser is that the light beam is visible, and during set-up of the sensor, the laser power is increased. This provides a bright light spot clearly visible even in the daylight which aids alignment. ifm efector also offers fine adjustment mounting brackets that allow the laser sensors to be precisely aligned for optimum performance.

The OG Series laser sensors are listed as FDA Class I Laser Products and comply with the international standard IEC60825 and European standard EN60825 which describe the operation of laser sensors.



Innovative teach mode



The innovative teach mode eliminates complex programming. The sensor features one button each for teaching a precise on and off state for the sensor signal.



PNP to NPN converter cordset

This cordset converts PNP outputs to NPN outputs.

*Part no.: EVC01E (5 meters)
List price (1-pc): \$19.00*



Product + accessory selector

Function		Range	Output	Spot Ø at max range	Supply Current	Switching Frequency	Light Source	Part No.	List Price (1-pc.)
Diffuse background suppression		20...200 mm	LO/DO PNP	1.2 mm	15 mA	1000 Hz	Class 1 laser	OGH700	\$244.00
Polarized retro-reflective		0.2...15 m	LO/DO PNP	40 mm	15 mA	2000 Hz	Class 1 laser	OGP700	\$241.00
		0.2...2 m	LO/DO PNP	5 mm	15 mA	2000 Hz	Class 1 laser	OGP701	\$241.00
Thru-beam receiver		0...60 m	LO/DO PNP	–	11 mA	1000 Hz	Class 1 laser	OGE700	\$131.00
		0...2 m	LO/DO PNP	–	11 mA	1000 Hz	Class 1 laser	OGE701	\$131.00
Thru-beam transmitter		0...60 m	–	150 mm	13 mA	–	Class 1 laser	OGS700	\$189.00
		0...2 m	–	5 mm	13 mA	–	Class 1 laser	OGS701	\$189.00

Optional Accessories

Type	Description	Part No.	List Price (1-pc.)
	Fine adjust swivel bracket for OG laser	E20987	\$45.00
	Rail mount package, fine adjust swivel bracket for OG laser	E20868	\$54.00
	10 x 50 mm reflector	E20988	\$16.00
	50 x 50 mm reflector	E20722	\$15.00
	10 mm reflector	E20990	\$12.00
	19 mm reflector	E20993	\$12.00

Cordsets

Type	Description	Part No.	List Price (1-pc.)
	M12 Micro DC (4-pin) 2 m, PUR	EVC001	\$9.95
	M12 Micro DC (4-pin) 5 m, PUR	EVC002	\$13.50
	M12 Micro DC (4-pin) 2 m, PUR	EVC004	\$9.95
	M12 Micro DC (4-pin) 5 m, PUR	EVC005	\$13.50
	M12 Micro DC (4-pin) 2 m, PUR, LED	EVC007	\$12.75
	M12 Micro DC (4-pin) 5 m, PUR, LED	EVC008	\$15.00



Can't find the right sensor for your application, call 800-441-8246 or visit www.ifm.com/us

Technical Specs

Supply voltage: 10...36 VDC
 Light source: Red light 655 nm
 No. of wires: 3-wire
 Maximum load current: 200 mA
 Voltage drop: <2.5 V
 Leakage current: Negligible
 Connector: M12
 Housing material: 316 stainless steel
 Lens material: PMMA
 Operating temperature: 14...140 °F (-10...60 °C)
 Protection: IP67

CLASS 1
 LASER
 PRODUCT
 IEC60825-1:2007
 21CFR PART1040

Class 1 Laser

Dedicated sales engineers

ifm's experienced sales engineers understand your applications and provide solutions to your challenges.

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