

LOW POWER GREEN LASERS



The frequency doubled lasers of the PGL Series emits at a wavelength of 532 nm (green) and are, being very close to the eye resonance, very clearly seen. With an output power of only a few mW, these lasers are typically used for targeting purposes. The laser heads have a very compact design and can therefore be integrated very easily into small measurement and adjustment devices. LG Laser Technologies can offer positioning lasers with <math><1\text{ mW}</math>, thus guaranteed a classification of Laser Class 2 - i.e. for operation without

MAIN FEATURES:

- Low power
- Compact
- Robust
- Optional choice of housing

additional protective devices. The lasers can be equipped with line optics as an option. They can be supplied with different power supplies or can even be used with commonly available DC- power supplies. A version using batteries allows the laser to be operated independent of the mains supply (e.g. PGLC). The PGLB Model is conceived for application in areas where a long working life is required, for instance fluorescent measurements or in projection or laser show applications. The working lifetime is > 10.000 hours.

APPLICATIONS INCLUDE:

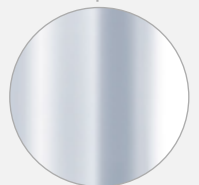
- Targeting
- Range finding



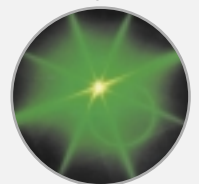
GAS SENSORS



ANALYTICAL INSTRUMENTS

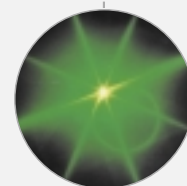


LASERS AND ELECTRO-OPTICS



QUANTUM DIVISION





SPECIFICATIONS

MODEL	PGLA	PGLC	PGLD	PGLE	PGLB
Power output* (mW)	< 1-10	< 1.0	< 1-3	< 1-5	1-20
Mode structure	close to TEM ₀₀		> 90% TEM ₀₀		
Beam Diameter (mm)	< 1.1		< 1.0**		
Beam divergence (mrad)	< 1.3		< 1.2**		
Polarisation	> 50:1				
Max. power drift (4h)	< 30%	< 50%	< 30%	< 50%	< 5%
Supply voltage	Optional				

* each different version, other ratings available on request.

** The beam diameter and divergence can be adjusted to the individual application. The product of both values remains constant.

www.edinst.com sales@edinst.com tel: 01506 425300