

Press Release

Alignment Lasers for Everyday Industrial Use

Precision Lasers with Integrated Battery Pack

Precision lasers are laser modules, the beam axis of which is arranged parallel to the module's housing. For mobile and independent application, LASER COMPONENTS introduces a new version with integrated battery pack: The LT-PLM-IRB series.

The axis of conventional laser modules are not exactly parallel to one another. Some applications need maximum parallelism: For example, if the laser is used to mirror a rotational axis, if it is used to align machines or axis, or if the laser is applied in the positioning of machines in fixed mounts and must, therefore, always hit the same spot.

The beam angle error of the LT-PLM-IRB series is only 0.05 mrad; this corresponds to a deviation of ± 0.05 mm at 20 m. The lasers have a wavelength of 635 nm – a bright, well-visible red. The optical power is 1 mW; thus it is a class 2 laser that does not require any extra safety precautions.

The integrated battery has a capacity of 400 mAh; this is enough for a duration of operation of ten hours. Battery pack and laser are included in one housing at a length of 130 mm and a diameter of 35 mm.

More Information

<http://www.lasercomponents.com/de-en/product/precision-laser-modules/>

Trade Shows

BiOS 2014, Feb., 01. - 02., 2014, The Moscone Center, San Francisco, USA, **Booth 8517**
Photonics West 2014, Feb., 04. - 06., 2014, The Moscone Center, San Francisco, USA, **Booth 517**
analytica 2014, Apr., 01. - 04., 2014, Neue Messe München, **Booth A2.400A**
Optatec 2014, May, 20. - 22., 2014, Messe Frankfurt
Defense, Security & Sensing 2014, Apr., 30. - May, 02., 2014, Baltimore, USA, **Booth 1030**
Sensor + Test 2014, Jun., 03. - 05.2014, Messe Nürnberg, **Booth 12.117**

The Company

LASER COMPONENTS specializes in the development, manufacture, and sale of components and services in the laser and optoelectronics industry. At LASER COMPONENTS, we have been serving customers since 1982 with sales branches in four different countries. We have been producing in house since 1986 with production facilities in Germany, Canada, and the USA. In-house production makes up approximately half of our sales revenue. A family-run business, we have more than 150 employees worldwide.