

Laser Modules Now Have a Microcontroller

FLEXPOINT® MVmicro DIG Laser Modules

LASER COMPONENTS introduces new FLEXPOINT® laser modules that are equipped with a microcontroller - they carry the addition „DIG“. The MVmicro DIG series was the first series of image processing lasers to be equipped with a microcontroller.

The microcontroller opens up excellent possibilities for users who can communicate with the module via an RS232 interface and even configure laser parameters. This makes it possible to request the operating hours, temperature, or diode current. A certain output power or shutdown temperature can be programmed, for example.

Additional settings are possible via this interface; this includes digital or analog modulation and a variable power adjustment. In addition to the standard parameters, it is also possible to carry out custom programming.

The MVmicro DIG laser is available in countless designs: The modules project either a single line or parallel multi-lines with a homogeneous power distribution. Further configurations are also available with a particularly thin line or an improved depth of focus. The lines can be easily focused by hand – tools are not required for this adjustment.

The MVmicro DIG is available in the following wavelengths: 520 nm, 405 nm, 450 nm, 640 nm, 660 nm, 785 nm, 830 nm. The lasers are equipped with an M12 connector for easy electrical connection.

More Information

<http://www.lasercomponents.com/de-en/product/flexpoint-mvmicro/>

Trade Shows

BiOS 2016, Feb, 13-14, 2016, Moscone Center, San Francisco, USA, **Booth 8939**
Photonics West 2016, Feb, 16 - 18 , Moscone Center, San Francisco, USA, **Booth 2023**
DCS 2016, Apr, 19 - 21, 2016, Baltimore Convention Center, USA, **Booth 542**
analytica, May, 10-13, 2016, Messe München, Germany **Stand A2.500**
Sensor + Test, 10. - 12. Mai 2016, Messe Nürnberg, Germany, **Halle 1, Stand 256**

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 five different countries. We have been producing in house since 1986 with production facilities in Germany, Canada, and the United States. In-house production makes up approximately half of our sales revenue. A family-run business, we have more than 200 employees worldwide.