



News Release

For immediate release
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A new driver for picosecond diode laser heads, the PDL 800-D

PicoQuant GmbH has launched a new picosecond diode laser driver for pulsed and continuous-wave operation.

The PDL 800-D is based on the well established technology of the PDL 800-B and therefore allows to control the full range of PicoQuant's pulsed Laser Diode Heads (LDH-Series) and pulsed LEDs (PLS-Series) which cover a broad wavelength range from 260 nm to 1550 nm.

The PDL 800-D includes 16 distinct user-selectable repetition rates between 31.25 kHz and 80 MHz based on two low-jitter internal quartz oscillators along with a frequency divider. An external trigger input with variable threshold additionally permits to work at any other repetition rate between single shot and 80 MHz. As a special feature, the PDL 800-D can also be used for continuous-wave operation with the new dual-mode laser heads of the LDH-D Series. The PDL 800-D includes of course all other features of the PDL 800-B like a synchronization output or adjustment of the laser power. In addition to that two newly added gating inputs allow to suppress the laser emission by an external signal on a timescale of milliseconds resp. nanoseconds.

Applications are: time-resolved fluorescence spectroscopy, FLIM, FCS, FRET, FLCS, quantum key distribution and many more.

Attachement

picture of PDL 800-D

Contact

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About PicoQuant GmbH

PicoQuant GmbH is a research and development company, founded in 1996 and based in the Technology Park Berlin-Adlershof, Germany. The company is leading in the field of Single Photon Counting Applications. The product line includes pulsed light sources, photon counting instrumentation, fluorescence lifetime spectrometer and time-resolved confocal microscopes. It employs around 40 people.