



Picosecond Fiber Laser



Evaluation Kit - PSFL1030

- Picosecond Fiber Laser Evaluation Kit PSFL-1030
- Mode locked Laser at 1030 nm
- Pulse duration < 10 ps
- Repetition rate ~100 MHz

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PSFL-1030 description:

- Kit including all components to set up a sub 10 ps mode locked fiber laser
- Typical repetition rate from 80 MHz to 100 MHz
- Several other experimental setups possible (luminescence and gain of active fiber, CW laser, oscillator + amplifier setup)

PSFL-1030 specifications:

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|---------------------|--------------|
| • Laser emission | 1030 nm |
| • Pulse energy | ~45 pJ |
| • Pulse duration | ~5 ps |
| • Max. output power | 4 mW |
| • Repetition rate | 80 – 100 MHz |

The evaluation kit PSFL1030 allows the realization of different picosecond fiber laser configurations using a saturable absorber mirror (SAM) as nonlinear optical device for passive mode-locking and standard fibers in the laser cavity. The active fiber is Yb doped. The fiber laser design can be changed easily to study the influence of certain elements on the laser output signal.

For more information see also the [Instruction manual of the PSFL-1030 on https://www.batop.de/](https://www.batop.de/).