

NEW

npi
Electronic Instruments
for the Life Sciences

made to measure

NEW



LDU-01D Laser Driver Unit

Laser-based Optogenetic Stimulation

- 473 nm for Activation using Channelrhodopsin-2 (ChR2)
- 589 nm for Silencing using Halorhodopsin (NpHR)
(Different Wavelengths Possible)
- Optical Fiber 200 μm / 0.22 NA
- FC/PC Connection of Fiber
- High Output Power ($\geq 100\text{mW}$ CW at Fiber End)
- Analog Modulation of Laser Power via ANALOG Input or Potentiometer
- With TTL Input for Gating (max. Frequency: 1 kHz)
- With Monitor for Laser Power
- Including Power Supply and Safety Measures

General:

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