PICOSECOND

Visible picosecond fibre lasers

Visible picosecond light with free-space delivery for time-resolved excitation.

Applications to discuss: Fluorescence-lifetime measurements; Time-resolved spectroscopy.

Selection points
514-595 nm wavelength options / 15-100 ps configured pulses / Up to 300 mW, repetition-rate dependent

Configuration options

Centre wavelength	Pulse duration	Repetition rate	Average power	Spectral width
514-595 nm	15-100 ps	10-100 MHz	Up to 300 mW	Not numerically specified

Each row is a separate configuration. Limits from different rows must not be combined.

Technical details

Parameter	Specification or condition
Output delivery	Free space
Beam propagation factor	M^2 <1.1, typical
Polarization extinction ratio	>20 dB, typical

Integration and delivery

Item	Configuration detail
Laboratory unit	287 x 196 x 71 mm; 12 V supply and thermal plate customer supplied; air cooling option
Rack unit	248 x 436 x 83 mm; built-in supply; air cooled
Conversion head	132 x 50 x 30 mm; 2 m separation between units

Conditions and configuration notes

• The repetition rate and pulse duration are fixed choices within the stated intervals; those intervals are not a claim of user adjustment on every unit.

• Average power depends on wavelength, repetition rate and pulse settings. Maxima from different options must not be combined into one operating point.