FEMTOSECOND

Tunable femtosecond fibre lasers

Tunable long-wavelength femtosecond seeds with fibre delivery.

Applications to discuss: Long-wavelength spectroscopy; Nonlinear-optics experiments.

Selection points
1850-2100 nm tunable centre wavelength / <100 fs listed pulse duration / 1-60 mW listed average power

Configuration options

Centre wavelength	Pulse duration	Repetition rate	Average power	Spectral width
1850 to 2100 nm	<100 fs	10-80 MHz	1-60 mW	>15 nm

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

Technical details

Parameter	Specification or condition
Output delivery	Polarization-maintaining fibre

Integration and delivery

Item	Configuration detail
OEM	200 x 130 x 28.5 mm; supply: 5 V customer supplied; cooling: Thermal Plate customer supplied
Lab	227 x 170 x 37 mm; 227 x 170 x 63 mm with fans and feet; supply: 12 V customer supplied; cooling: Thermal Plate customer supplied/ Air Cooled
Benchtop	316 x 250 x 135 mm; supply: Built-in; cooling: Air Cooled
Rack Mount	248 x 436 x 83 mm; supply: Built-in; cooling: Air Cooled

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.