PICOSECOND

Tunable picosecond fibre lasers

A tunable near-infrared centre wavelength with a configured picosecond pulse train.

Applications to discuss: Nonlinear-optics experiments; Time-resolved spectroscopy.

Selection points
1040-1080 nm tunable centre wavelength / 2-15 ps configured pulse duration / 1-60 mW listed average power

Configuration options

Centre wavelength	Pulse duration	Repetition rate	Average power	Spectral width
1040 to 1080 nm	2-15 ps	10-100 MHz	1-60 mW	Near transform limited

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
Benchtop	316 x 250 x 135 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.

• A near-transform-limited description is qualitative here; confirm the numerical spectral bandwidth for the chosen pulse.