CONTINUOUS WAVE

Dual-wavelength CW fibre laser

Two visible channels in a shared rack platform for experiments using 488 nm and 514 nm excitation.

Applications to discuss: Two-colour microscopy; Flow-cytometry excitation.

Selection points
488 nm and 514 nm channels / 1000 mW and 1500 mW listed outputs / Simultaneous CW operation

Configuration options

Channel	Wavelength	Listed output
Blue channel	488 ± 0.5 nm	1000 mW
Green channel	514 ± 0.5 nm	1500 mW

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

Technical details

Parameter	Specification or condition
Power adjustment	40-100%
Emission linewidth	0.1 nm
Long-term wavelength stability	±0.1 nm
Beam propagation factor	M^2 <1.1
Power drift over 8 hours	2% peak-to-peak
Polarization	Linear
Transverse mode	TEM00

Integration and delivery

Item	Configuration detail
Format	2U, 19-inch rack platform; separate frequency-conversion head
Outputs	Two laser beams
Control	RS232 and USB graphical interface

Conditions and configuration notes

- The listed channel powers are not a guarantee of power after additional fibre coupling or isolation.
- Confirm how the two channels are delivered and whether any beam-combining optics are included.