

FISBA READYBeam™

Technical specifications

Module	Wavelength					
	405 nm	450 nm	488 nm	520 nm	638 nm	660 nm
FISBA READY Beam™ bio 1 1006061	x		x		x	
FISBA READY Beam™ bio 2 1008062			x	x	x	
FISBA READY Beam™ ind 1 1006062		x		x		x
FISBA READY Beam™ ind 2 1007773		x		x	x	
Output power calibrated values	40 mW	40 mW	30 mW	30 mW	40 mW	40 mW
Power stability 8 h	< 2%					
Fiber type	SM/PM, 3 µm core, end capped					
Fiber cable length	1 m					
Polarisation ratio	min. 12 dB, typ. 16 dB, max. 26 dB					
Spatial mode	TEM 00					
M2	< 1.1					
Optical noise RMS, 20Hz – 20MHz	typ. 0.2, max. 0.5 %					
Laser operation modes	CW, modulated					
Digital modulation	TTL input					
Digital modulation frequencies	1 MHz					
Digital rise time 10 – 90%	11 ns					
Digital fall time 90 – 10%	11 ns					
Analog modulation bandwidth	0 – 3.3 V input voltage					
Analog modulation frequencies	20 KHz					
Analog rise time 10 – 90%	12 µsec					
Analog fall time 90 – 10%	12 µsec					
Laser safety class	3B					
Max. storage temperature range	- 10° C to + 60° C					
Operational temperature range	+ 15° C to + 40° C					
Power consumption	typ. 5 W, max. 12 W					
Temperature stabilization	internal TEC controlled					
Communication interface	RS 485					