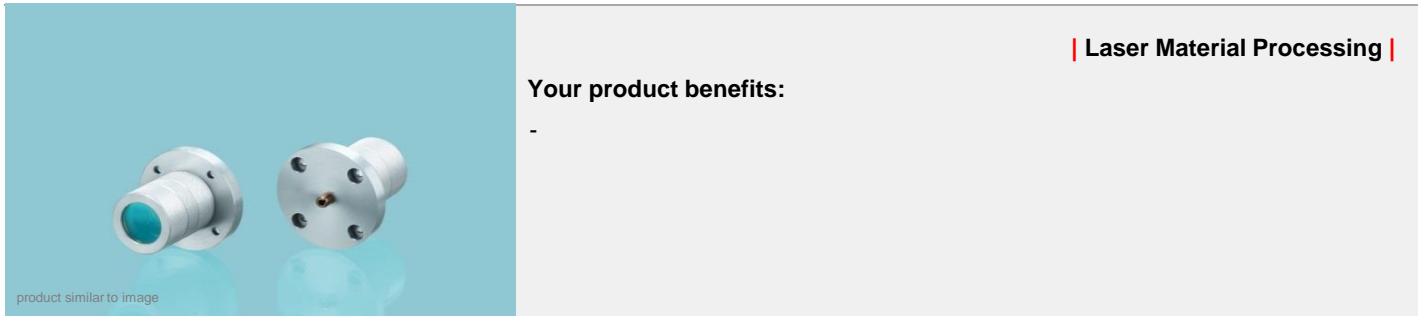


LPH-LD80-R-18-200

Laser Process Head for advanced Material Processing



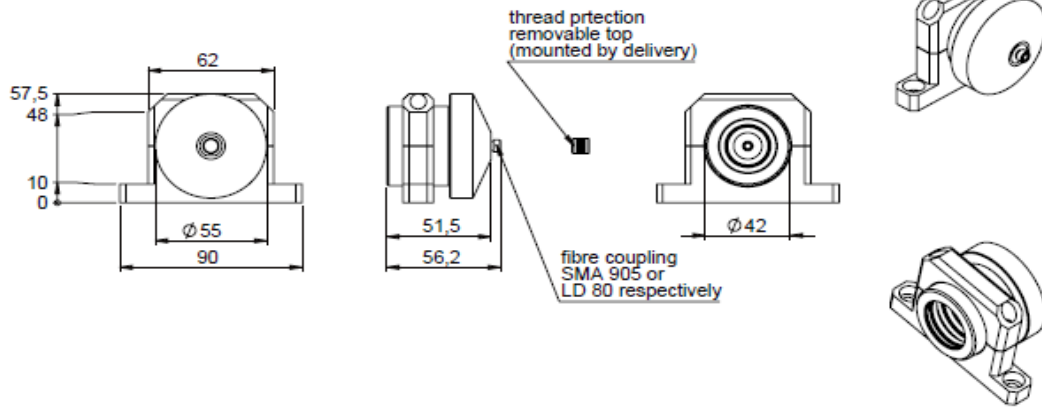
Laser Process Head	Unit	Value	Unit	Value
Optical Data		Mechanical Data		
Max. laser power (cw)	W	200	Housing material	anodized aluminum
Wavelength range	nm	790 - 990	Dimensions (length x width x depth)	mm 57.5x90x56.2
Max. numerical aperture of fibre		0,23	Mounting threads	4 x M5
Max. fiber core diameter	µm	600	Fiber connector types	LD80
Transmission rate		≥ 90% (typ. 95 %)	Thermal Operation and Storage Conditions	
Collimation focal length	mm	18	Operation ambient temperature range	°C 5...40
Focussing focal length	mm	200	Max. operation relative humidity	non condensing
Working distance	mm	180 (± 10)	Storage temperature range	°C 20...50
Spot size FWHM with 200 µm fibre	µm	2300	Storage max. relative humidity	non condensing
Spot size (90% PE*) with 200 µm fibre	µm	3400	Max. housing temperature in operation	°C 60
Spot size FWHM with 400 µm fibre	µm	4600		
Spot size (90% PE*) with 400 µm fibre	µm	5600		

* PE means power enclosed

Additional Features	Unit	Value	Unit	Value
Pyrometer Control Data		Power Monitoring Data		
Detection wavelength	nm	not available	Wavelength range	nm not available
Temperature measurement range	°C	not available	Sampling rate (standard)	kHz not available
Sampling rate (standard)	kHz	not available	Operation temperature range	°C not available
Calibration standard type		not available	Measurement accuracy	% not available
Interfaces Data		Related Product		
Interface type		not available	Process software	not available
Data cable type		not available		
Socket type		not available		
Communication protocol of laser driver		not available		

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