

# FLEXPOINT® Laser Module for Operating Temperatures from -10°C to 85°C

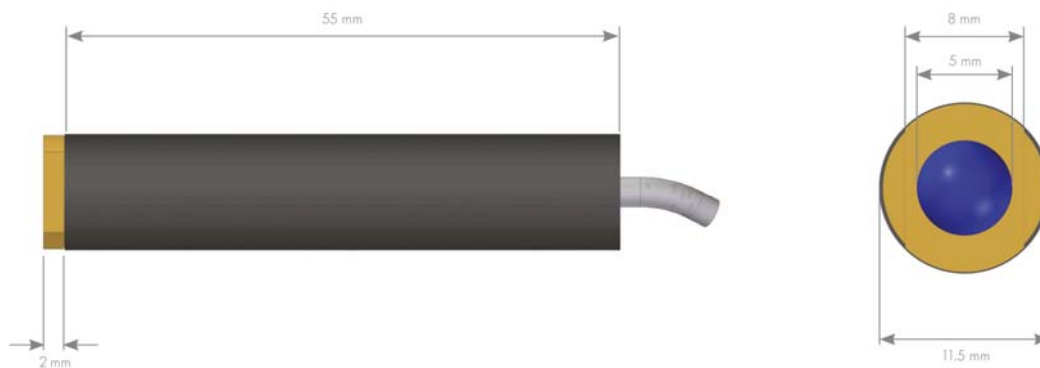


The FP-66/T85 series modules were specifically developed for higher operating temperatures. In addition to the incorporation of a special laser diode as well as a glass lens, the electronics were also particularly adjusted. The module generates a circular beam which, thanks to the adjustable optics, can be either focussed or collimated. There are two different levels of output power available.



## SPECIFICATIONS:

Model number	FP-66/1AF-AV-SD5-T85	FP-66/4,9AF-AV-SD5-T85
Wavelength	655 nm @ 25°C / 668 nm @ 85°C	
Output power	1 mW	4.5 mW
Laser class	2	3R
Power stability	<8%	
Beam profile	Circular, focusable	
Optics	Glass lens	
Beam divergence	Approx. 0.2 mrad	
Pointing stability	<0.2 mrad/°C	
Beam pointing error	<1°	
Supply voltage	4.5-6 VDC (optional 8-30 VDC)	
Power consumption	Approx. 50 mA @ 5 VDC	
Operating temperature	-10°C to +85°C	
Calculated MTF @ 85°C	>30,000 hours	
Housing	Aluminum, black anodized	
Dimensions	57 mm x 11.5 mm, see drawing	



05/09 / V1 / HW / blau/ fp-66\_t85\_e.doc



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