

Head shape	Mounting	Model number	Core	Detection range	Fibre cross-section	minimum Object size	Fibre optic length	Bend radius	Dimensions	Special features
<b>Precise</b>										
Thread	M3 x 0,5	KLR-C04-1,25-1,0-K78	PMMA	8 mm	4 x 0,25 mm	0,05 mm	1 m	min. 15 mm		
Thread	M3 x 0,5	KLR-C02-1,25-1,0-K75	PMMA	4 mm	2 x 0,25 mm	0,05 mm	1 m	min. 15 mm		
Thread	M4 x 0,7	KLR-C02-1,25-1,0-K73	PMMA	4 mm	2 x 0,25 mm	0,05 mm	1 m	min. 15 mm		
Cylindrical	dia. 1,5 mm	KLR-C04-1,25-1,0-K80	PMMA	8 mm	4 x 0,25 mm	0,05 mm	1 m	min. 15 mm		
Cylindrical	dia. 3,0 mm	KLR-C04-1,25-1,0-K79	PMMA	8 mm	4 x 0,25 mm	0,05 mm	1 m	min. 15 mm		
<b>Coaxial</b>										
Thread	M3 x 0,5	KLR-C09-1,25-1,0-K76	PMMA	35 mm	1 x 0,5 mm Emitter 9 x 0,25 mm Receiver	0,05 mm	1 m	min. 15 mm		Significantly increased detection range with auxiliary lens K-LA03
Thread	M3 x 0,5	HPF-D010	PMMA	29 mm	1 x 0,5 mm 4 x 0,25 mm		2 m	min. 15 mm		
Thread	M4 x 0,7 /M2,6	KLR-C09-1,25-1,0-K74	PMMA	35 mm	1 x 0,5 mm Emitter 9 x 0,25 mm Receiver	0,05 mm	1 m	min. 15 mm		Significantly increased detection range with auxiliary lenses K-LA01/K-LA02
Thread	M6 x 0,75	KLR-C16-2,2-1,0-K71	PMMA	85 mm	1 x 0,5 mm Emitter 16 x 0,25 mm Receiver	0,1 mm	1 m	min. 25 mm		Significantly increased detection range with auxiliary lens K-LA05
Cylindrical	dia. 1,5 mm	KLR-C06-1,25-1,0-K81	PMMA	22 mm		0,05 mm	1 m	min. 15 mm		
Cylindrical	dia. 3,0 mm	KLR-C09-1,25-1,0-K77	PMMA	35 mm	1 x 0,5 mm Emitter 9 x 0,25 mm Receiver	0,05 mm	1 m	min. 15 mm		

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Cylindrical	dia. 5,0 mm	KLR-C16-2,2-1,0-K72	PMMA	85 mm	1 x 0,5 mm Emitter 16 x 0,25 mm Receiver	0,1 mm	1 m	min. 25 mm		
High flexible										
Thread	M6	HPF-D012	PMMA	96 mm			2 m	min. 4 mm		
Flexible										
Thread	M3 x 0,5	HPF-D004-H	PMMA	35 mm	2 x 0,5 mm		2 m	min. 15 mm		
Thread	M6	HPF-D002-H	PMMA	80 mm	2 x 1,0 mm		2 m	min. 20 mm		
Thread	M6	HPF-D002-HL5	PMMA	80 mm	2 x 1,0 mm		5 m	min. 20 mm		5 m Fibre optic length Detection range relating to HPF-D002-H
Thread	M6 x 0,75	KLR-C02-2,2-1,0-K70	PMMA	80 mm	2 x 1,0 mm	0,25 mm	1 m	min. 25 mm		
Bendable tip										
Thread	M3 x 0,5	KLR 00-1,0-2,0-K58	PMMA	25 mm			2 m	min. 15 mm		
Thread	M4	HPF-D006	PMMA	32 mm	2 x 0,5 mm		2 m	min. 15 mm		
Thread	M6	KLR 00-2,2-2,0-K57	PMMA	77 mm			2 m	min. 15 mm		
Thread	M6	HPF-D003	PMMA	115 mm	2 x 1,0 mm		2 m	min. 20 mm		
High detection range										
Thread	M6	HPF-D001-H	PMMA	140 mm	2 x 1,4 mm		2 m	min. 20 mm		



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Right angle	Bar 10 mm	LHR 00-1,1-1,0-K9	glass	50 mm	1,1 mm		1 m	4 mm static		- 40°C ... + 180°C
Special design										
Rectangular	3,2 mm	KLR 00-2,2-2,0-K40	PMMA	90 mm (Reflex) 410 mm (thru-beam)	2 x 1,0 mm		2 m	min. 15 mm		Crossing light beam for back-round blanking