

IRD-FXC series

- > Complete solution with switching output for zones 1 and 2
- > Adjustable sensitivity
- > Self-monitoring
- > Various fiber optic lengths available



Sensor

Type	IRD-002-FXC-OP-K10
Can be used in Ex zones	1, 2 and 21, 22
Light source	Infrared 870nm
Response speed	5ms
Sensitivity	Adjustable
Supply voltage	24 VDC +/-10%, Um = Max. 30VDC
Current consumption	max. 60mA
Switching output (Out)	PNP Light-ON, NO/NC adjustable with control output
Housing	M30 x 1.5, nickel-plated brass
Enclosure protection class according to EN 60529	IP 67
Operating temperature range	-20°C ... +50°C
Connection cable	10m
Max. possible cable length	100m



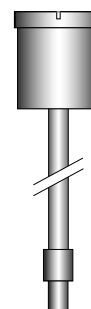
Coupling nut

Type	Coupling nut M30 x 20mm
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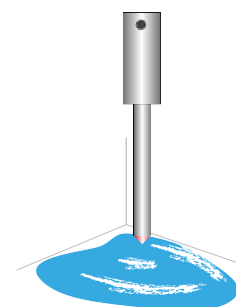
Fiber optics

Type	SKM-0500-02-T-GR-OP2
Can be used in Ex zones	1, 2 and 21, 22
Structure	1 arm
Length	Fix 500mm (others on request)
Active area Fiber bundle	3,14mm ²
Minimum bending radius	1x 50mm
Sheath material	Silicone
Header	Steel
Operating temperature	-20 - 120°C



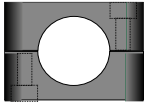
Glass rod

Type	KM-4-40-VA-SR-OP2-S289
Can be used in Ex zones	1, 2 and 21, 22
Structure	1 arm
Length	66mm (others on request)
Fiber bundle	Glass rod split
Recognizable medium	Viscous liquids v1
Sheath material	steel
Head part	glass
Operating temperature	-20 - 120°C

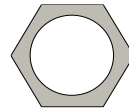
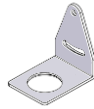


Mounting material optional

Clamp 30mm



Metal GR4 Mounting bracket M30 Nut M30x1.5



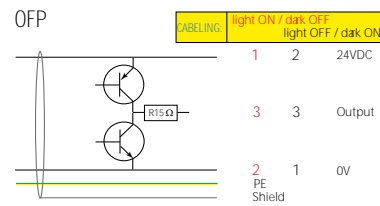
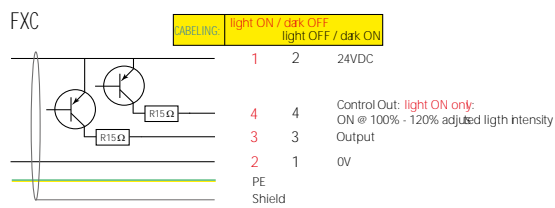
Options

Sensor: Other cable lengths	Specific cable length up to max. 100m (e.g. K:10 = 10m connection cable)
Fiber optics: Other lengths	1000mm: SKM-1000-02-T-GR-OP2
Special sensor functions	On request

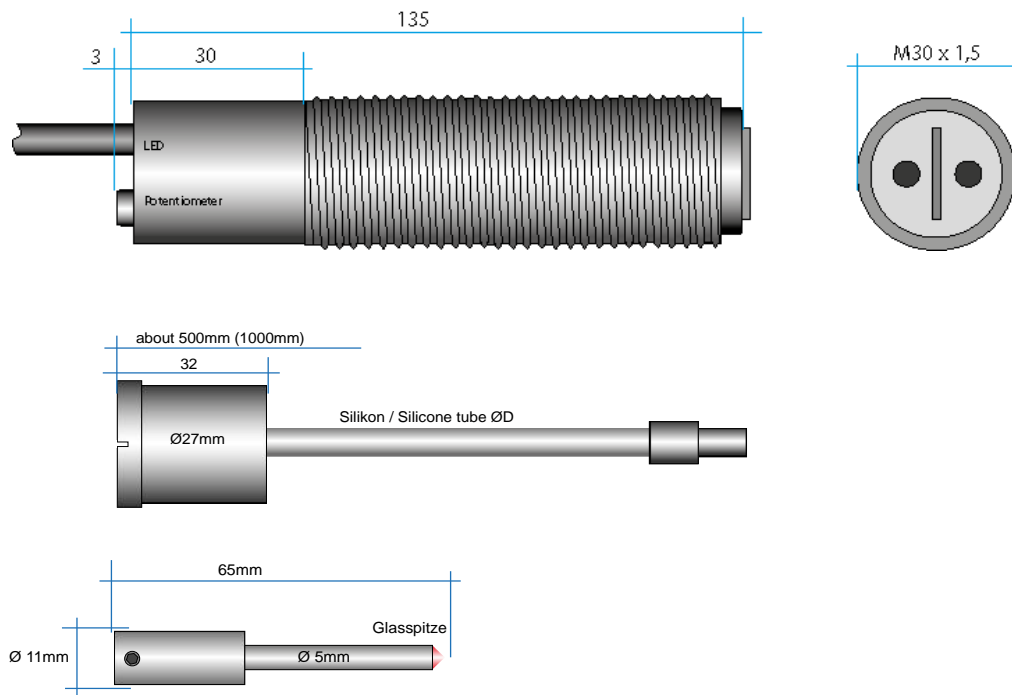
Possible output/input functions

FXC	PNP Light-ON output with selectable switching logic and control output
OFF	Pull/push output with selectable switching logic, PNP Light-ON

Output



Dimensions



Important note

The manufacturer's assembly and installation instructions must be observed. These can be found on the manufacturer's original data sheets and are available on request.

IRD-FXC series

- > Complete solution with switching output for **zone 0**
- > Adjustable sensitivity
- > Selbstüberwachend
- > Various fiber optic lengths available



Sensor

Type	IRD-002-FXC-OP-K10
Can be used in Ex zones	1, 2 and 21, 22
Light source	Infrared 870nm
Response speed	5ms
Sensitivity	Adjustable
Supply voltage	24 VDC +-10%, Um = Max. 30VDC
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Enclosure protection class according to EN 60529	IP 67
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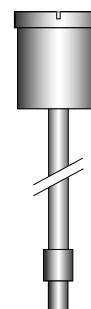
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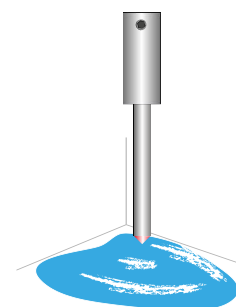
Fiber optics

Type	SKM-0500-02-T-GR-OP1
Can be used in Ex zones	(0), 1, 2 and (20), 21, 22
Structure	1 arm
Length	Fix 500mm (others on request)
Active area Fiber bundle	3,14mm ²
Minimum bending radius	1x 50mm
Sheath material	Silicone
Header	Steel
Operating temperature	-20 - 120°C



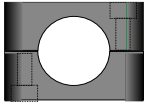
Glass rod

Type	KM-4-40-VA-SR-OP1-S289
Can be used in Ex zones	(0), 1, 2 and (20), 21, 22
Structure	1 arm
length	66mm (others on request)
Fiber bundle	Glass rod split
Detectable medium	Viscose liquids v1
Sheath material	Steel
Head part	Glass
Operating temperature	-20 - 120°C

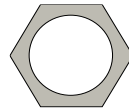


Mounting material optional

Clamp 30mm



Metal GR4 Mounting bracket M30 Nut M30x1.5



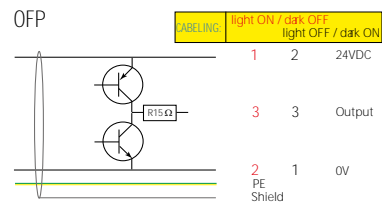
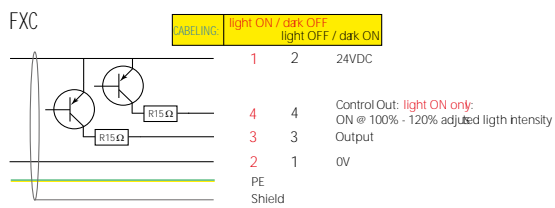
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Fiber optics: Other lengths	1000mm: SKM-1000-02-T-GR-OP1
Special sensor functions	On request

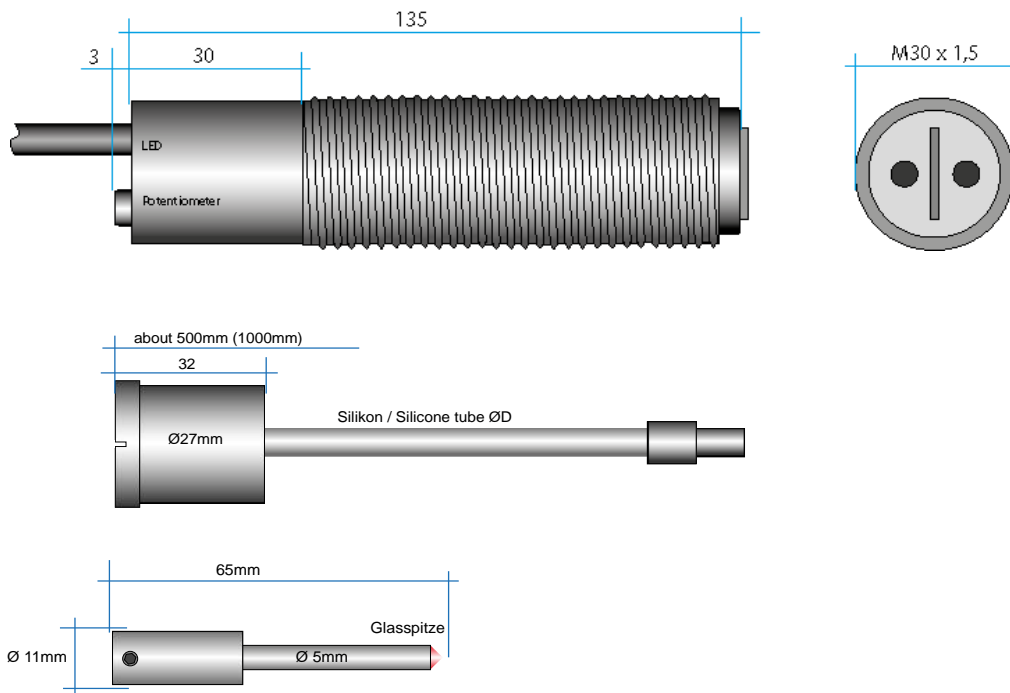
Possible output/input functions

FXC	PNP light ON output with selectable switching logic and control output
OFF	Pull/push output with selectable switching logic, PNP Light-ON

Output



Dimensions



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