

OF series

- Glass fibre models for temperature from -30 to +150°C
- Plastic fibre models for temperature from -30 to +60°C
- Spiral fibre version
- Threaded or metal tube detecting end
- Plastic fibre optics can be cut at desired length
- Functions: proximity scanner or emitter/receiver

TECHNICAL DESCRIPTION

Fibre optics are available in the following functions

- PROXIMITY SCANNER,
- EMITTER/RECEIVER.

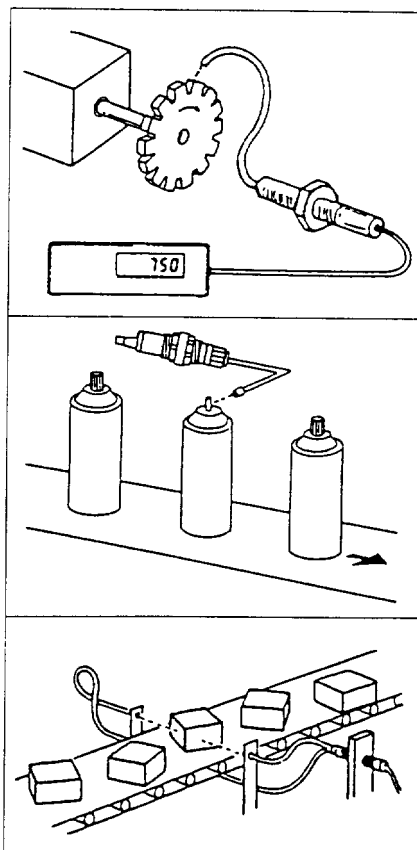
Detection by means of fibre optics can be useful when mounting space is restricted: the high flexibility of fibre optics, their mechanical characteristics and small dimensions allow difficult applications.

Glass fibre optics are used in application with high temperature.

Fibre optics transmit light through any bent track; light beams run into the fibre which is made of highly reflective glass or plastic, enclosed into a less refractive sheath. Fibre optics are externally protected by means of a polyethylene or metal covering

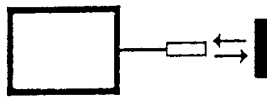
Fibre optics can be cut at desired length by means of a special cutting tool (PLC01, order no. S8203517) However, this will reduce the operating range by 20%.

APPLICATIONS



FUNCTIONS

Proximity scanner



Emitter/
receiver

MODELS SELECTION TABLE: PLASTIC FIBRE OPTICS

TYPE	FUNCTION	OPERATING DISTANCE	MATERIAL*	FIBRE CONSTRUCT.	LENGTH	COMPATIBLE MODELS	ORDER NO.
OF1	proximity scanner	1 mm 1.5 mm	p/p		50 cm	TL7 TL10/TL30	S76020100
OF3	emitter/receiver	3 mm	p/p		50 cm	TL7/TL10/TL30	S76020300
OF4	proximity scanner	35 mm	p/p		50 cm	ET3	S76020400
OF5	emitter/receiver	200 mm	p/p		50 cm	ET3	S76020500
OF16	proximity scanner	27 mm	p/p		2 m	S1-E1	S8203407
OF17	emitter/receiver	150 mm	p/p		2 m	S1-E1	S8203417
OF18	proximity scanner	33 mm 22 mm	p/p		1 m	S3 S5	S76021801
OF19	emitter/receiver	110 mm 85 mm	p/p		1 m	S3 S5	S76021901
OF20	proximity scanner	25 mm 12 mm	p/p		2 m	S3 S5	S76022000
OF21	emitter/receiver	100 mm 65 mm	p/p		2 m	S3 S5	S76022100
OF22	proximity scanner	33 mm 22 mm	p/p		2 m	S3 S5	S76022200
OF23	emitter/receiver	110 mm 85 mm	p/p		2 m	S3 S5	S76022300
OF24	proximity scanner	33 mm 22 mm	p/p		2 m	S3 S5	S76022400
OF25	emitter/receiver	40 mm 25 mm	p/p		1 m	S3 S5	S76022500
OF26	proximity scanner	10 mm 5 mm	p/p		1 m	S3 S5	S76022600
OF28	proximity scanner	10 mm 5 mm	p/p		1 m	S3 S5	S76022800

*MATERIAL p/p - PMMA fibre/polyethylene cover, operating temperature -30 to +60°C

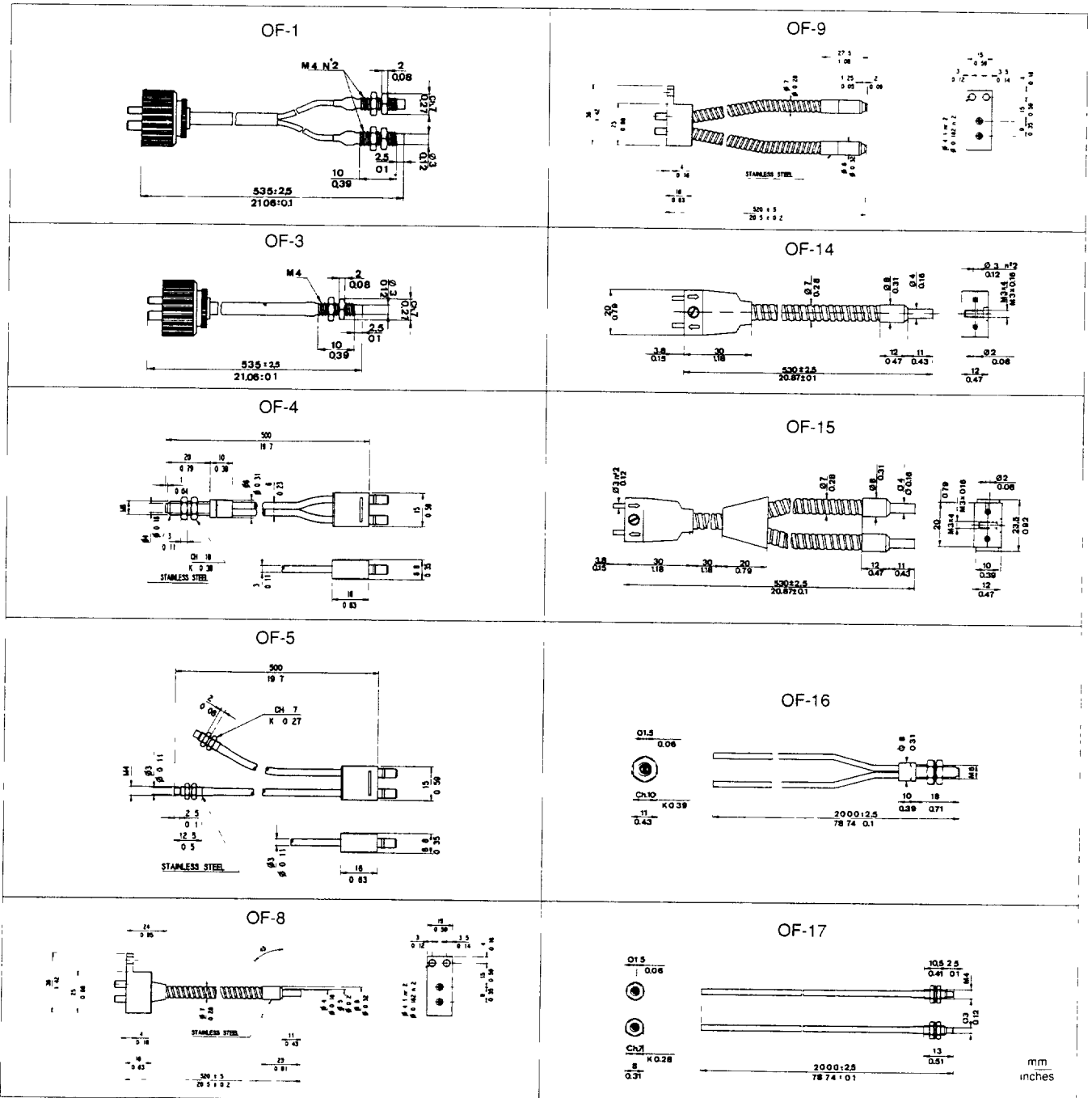


MODELS SELECTION TABLE: GLASS FIBRE OPTICS

TYPE	FUNCTION	OPERATING DISTANCE	MATERIAL*	FIBRE CONSTRUCT.	LENGTH	COMPATIBLE MODELS	ORDER NO.
OF8	proximity scanner	80 mm	g/m	() ()	50 cm	ET3	S76020800
OF9	emitter/receiver	750 mm	g/m	() ()	50 cm	ET3	S76020900
OF14	proximity scanner	38 mm	g/m	() ()	50 cm	S1-E	S8203427
OF15	emitter/receiver	170 mm	g/m	() ()	50 cm	S1-E	S8203437

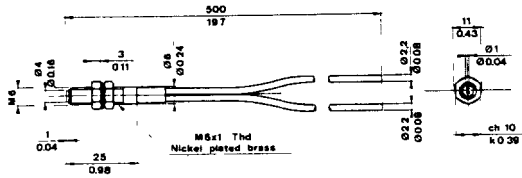
*MATERIAL g/m - glass fibre/metal cover, operating temperature -30 to +150°C

OVERALL DIMENSIONS

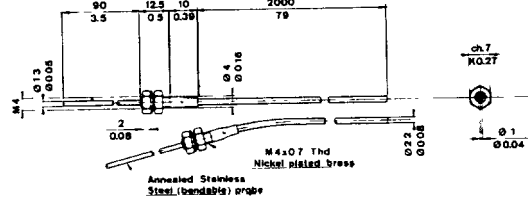


OVERALL DIMENSIONS

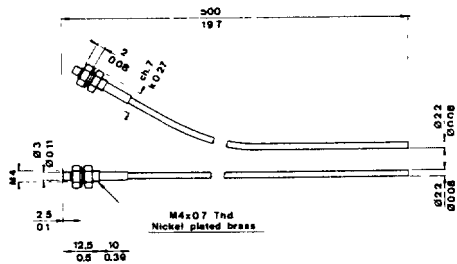
OF-18



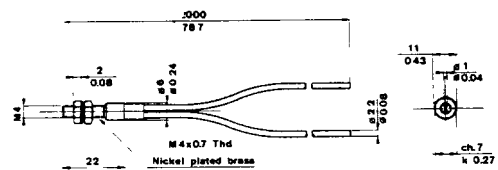
OF-23



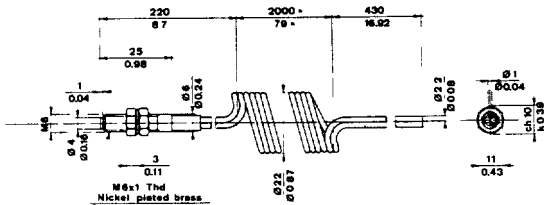
OF-19



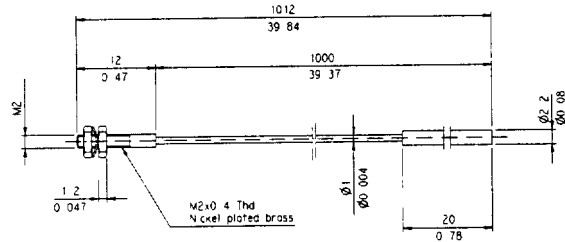
OF-24



OF-20

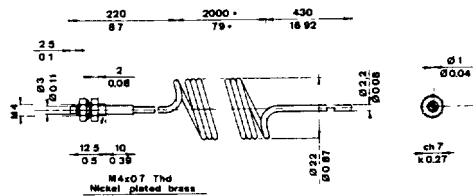


OF-25

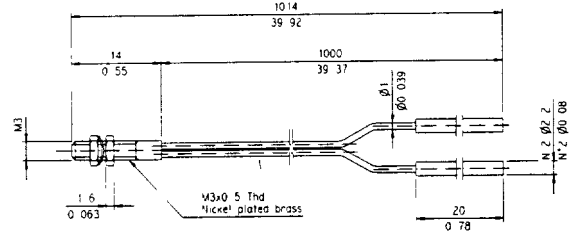


• (ad. extensions complete)
• (fully extended)

OF-21

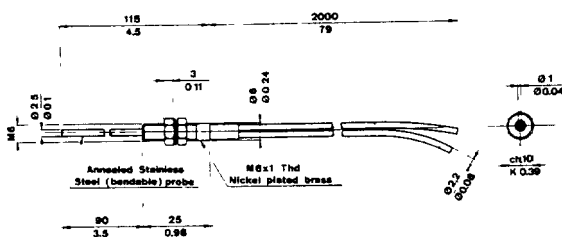


OF-26

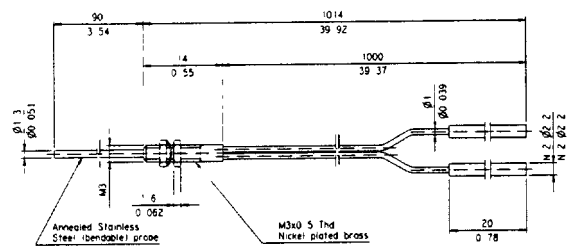


• (ad. extensions complete)
• (fully extended)

OF-22



OF-28



mm
inches