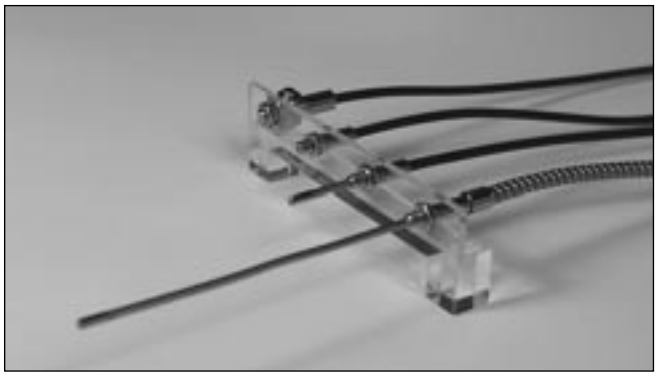
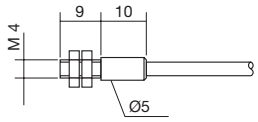
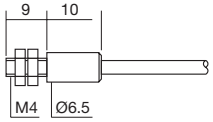
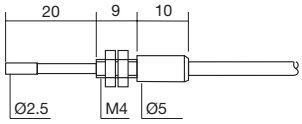
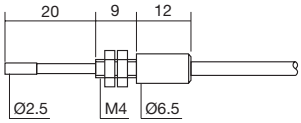
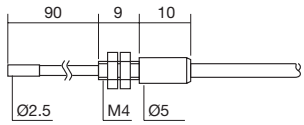
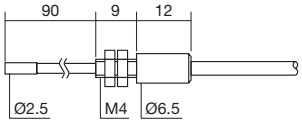
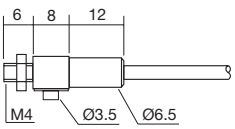
Photoelectrics
Fibre Optics, Glass
Types FGT, FGD



- **Fibre diameter ∅1 mm (400 x 50 μm)**
- **Temperature range from -25°C up to 200°C**
- **Bending radius 10, 20 or 30 mm**
- **Sheath material PVC/thermo polyolefine, metallic spiral/polyolefine or flexible INOX**

Type Selection

Length [cm]	Distance [1] [mm]	Dimensions [mm]	Standard glass Ordering no.	Reinforced metal Ordering no.	High temperature Ordering no.
60	200		**FGT 01 SCM 060**	**FGT 01 MCM 060**	**FGT 01 TCM 060**
100	200		**FGT 01 SCM 100**	**FGT 01 MCM 100**	**FGT 01 TCM 100**
150	200		**FGT 01 SCM 150**	**FGT 01 MCM 150**	**FGT 01 TCM 150**
200	200		**FGT 01 SCM 200**	**FGT 01 MCM 200**	**FGT 01 TCM 200**
60	80		**FGD 02 SCM 060**	**FGD 02 MCM 060**	**FGD 02 TCM 060**
100	80		**FGD 02 SCM 100**	**FGD 02 MCM 100**	**FGD 02 TCM 100**
150	80		**FGD 02 SCM 150**	**FGD 02 MCM 150**	**FGD 02 TCM 150**
200	80		**FGD 02 SCM 200**	**FGD 02 MCM 200**	**FGD 02 TCM 200**
60	200		**FGT 03 SCM 060**		
100	200				**FGT 03 TCM 100**
60	80		**FGD 04 SCM 060**	**FGD 04 MCM 060**	**FGD 04 TCM 060**
100	80		**FGD 04 SCM 100**	**FGD 04 MCM 100**	**FGD 04 TCM 100**
150	80		**FGD 04 SCM 150**	**FGD 04 MCM 150**	
200	80				**FGD 04 TCM 200**
60	200		**FGT 05 SCM 060**		
60	80		**FGD 06 SCM 060**	**FGD 06 MCM 060**	
100	80		**FGD 06 SCM 100**	**FGD 06 MCM 100**	**FGD 06 TCM 100**
200	80		**FGD 06 SCM 200**		**FGD 06 TCM 200**
60	80		**FGD 07 SCM 060**	**FGD 07 MCM 060**	**FGD 07 TCM 060**
100	80		**FGD 07 SCM 100**	**FGD 07 MCM 100**	**FGD 07 TCM 100**
150	80		**FGD 07 SCM 150**	**FGD 07 MCM 150**	**FGD 07 TCM 150**
200	80		**FGD 07 SCM 200**		**FGD 07 TCM 200**
60	200		**FGT 07 SCM 060**	**FGT 07 MCM 060**	**FGT 07 TCM 060**
100	200		**FGT 07 SCM 100**	**FGT 07 MCM 100**	**FGT 07 TCM 100**
150	200		**FGT 07 SCM 150**	**FGT 07 MCM 150**	
200	200			**FGT 07 MCM 200**	**FGT 07 TCM 200**

[1] Sensing distance given for a fibre length up to 1 m.

CARLO GAVAZZI

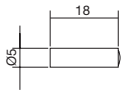
General Specifications

Bending radius	
FG...SCM...:	10 mm
FG...MCM...:	20 mm
FG...TCM...:	30 mm
Temperature range	
FG...SCM...:	-25 to +60°C (-13 to +140°F)
FG...MCM...:	-25 to +120°C (-13 to +248°F)
FG...TCM...:	-25 to +200°C (-13 to +392°F)

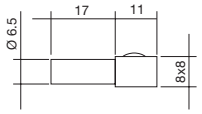
Sheath material	
FG...SCM...:	PVD and thermo polyolefine
FG...MCM...:	Metallic spiral and polyolefine
FG...TCM...:	Flexible INOX
Fibre	
Diameter	∅1 mm, 400 x 50 µm
Attenuation vs. length (@ 4 m)	Through beam: ≤ 20%
	Diffuse: ≤ 35%
Attenuation vs. bending radius	r = 15 mm: ≤ 3%
	r = 10 mm: ≤ 15%

Accessories - Lenses for FGT 01.. Fibre Optic

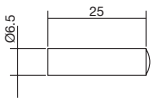
AFGT 03
Sensing range: 800 mm



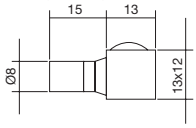
AFGT 04
Sensing range: 800 mm



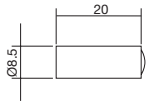
AFGD 05
Focus point: 10 mm



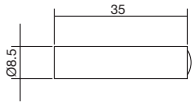
AFGT 06
Sensing range: 3000 mm



AFGT 07
Sensing range: 3000 mm



AFGD 08
Focus point: 30 mm



Ordering Key

FGT 01 SCS 200

Optic Fibre

Fibre material
- G Glass

Fibre type
- D Diffuse
- T Through-beam

Sensor head 01-99
- Forthrunning type number

Sheath material
- S Standard glass, PVC and thermo polyolefine
- M Metallic spiral and polyolefine
- T Flexible INOX

Fibre diameter
- C 1.0 mm

Core condition
- M Multicore

Fibre length 001-999
- cm 1 cm to 9.9 m

Specifications are subject to change without notice (13.05.02)