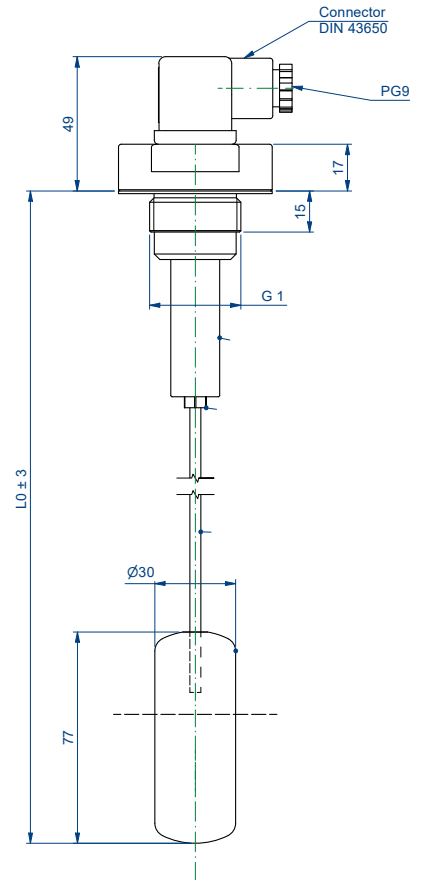


The principle of operation of IMSTFR instrument is based on the drive of a micro-switch, located in the head of the instrument, as a result of the hydrostatic thrust exerted by the liquid on the float. The absence of moving parts guarantees extreme ruggedness and a limited need for maintenance. Proposed in 2 standard versions of rod length, all intermediate lengths are obtained by the user simply shortening the rod of the float.



Order code	
IMSTFR-0500	LO 500mm
IMSTFR-1000	LO 1000mm

Features

- Adjustable switching point
- SPDT micro-switch
- Easy mounting (threaded and flanged)
- Closed cell float

Reference

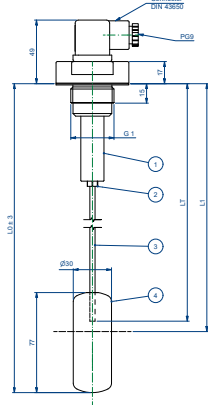
- EN 611010-1
- EN 61326-1
- EN 5081

Standard parameters	
Process connection	in PA66 1"G male and Flange Ø56mm 3 holes Ø4,2mm
Electrical contact	SPDT 3A 250VAC - 30VDC
Number of contacts	1 contact
Electrical connection	DIN43650 A (29x29mm)
Stem	AISI316
Float	diameter 30x77mm in Spansil - Butadiene - Acrylonitrile Copolymer closed cells
Ambient temperature	-30 ... + 55°C
Media temperature	90°C max
Working pressure	10 bar max

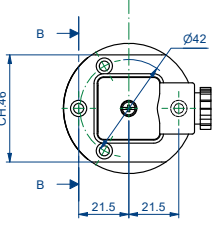
Floats

Tab. 1	
	
Material	Spansil
Dimension (mm)	Ø30x77
Specific gravity (kg/dm³)	0,4
Measuring Resolution (mm)	3
Max. Pressure (bar)	10
Max temperature	90°C

Electrical connection

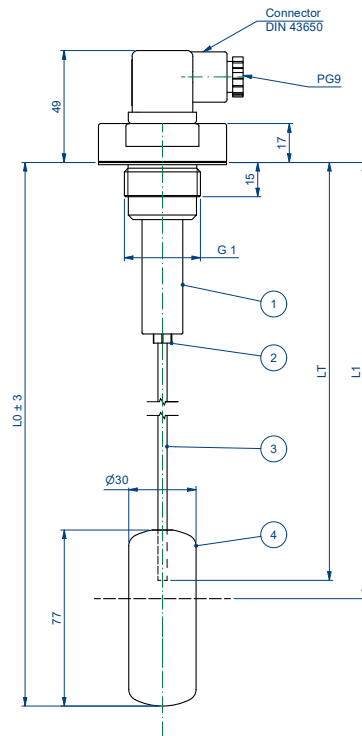
Tab. 2	
	
Dimension (mm)	
IP Rating	IP65
Max No of wires	3
Material	Plastic (Polyamide + Fiber glass)
Ambient temperature	-30 ... + 55°C

Process connection

Tab. 3	
	
Type	Process Connection
Outside, G 1" m and Flange Ø 56 mm in PA66 with 3 holes Ø4,2 mm	

Dimension (mm)

Tab. 4		
L1 Switch point	LT* Y = 1	L0
925	947	1000
870	897	950
818	847	900
773	797	850
715	747	800
684	697	750
630	647	700
585	597	650
530	547	600
485	497	550
432	457	500
385	397	450
348	347	400
293	297	350
235	247	300
185	197	250
140	147	200



Instruction - Adjustment of the switch point and rod length

- 1 Remove the float (D) from the metal rod by rotating and pulling it.
- 2 Measure the rod from the top of the connector (A) to the detected value in the table Tab.3 according to the desired switch point and the specific gravity of the liquid used.
- 3 The measurement should be carried out with the stainless-steel tube fully extended outwards.
- 4 Cut the stainless-steel tube at length just measured with a pipe-cutter for 4 mm ø and eliminate cutting burrs.
- 5 Replace the float (D) taking care not to damage the silicone ring mounting inside the float itself.

* Considering H₂O fluid density

