APPROVED IN ACCORDANCE WITH THE EUROPEAN STANDARD 2014/34/EU - ATEX

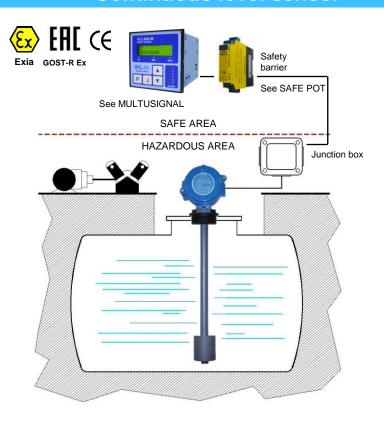
These instruments, intrinsically safe certified:

CESI 03 ATEX 265 Ext.2 II 1G Exia IIC T4/T5/T6 Ga, CESI 03 ATEX 265 Ext.2 II 1/2G Exia IIC T4/T5/T6 Ga/Gb, are used to control the level of liquids or fuels inside tanks, both underground and outdoors, installed in hazardous areas where flammable products are treated.

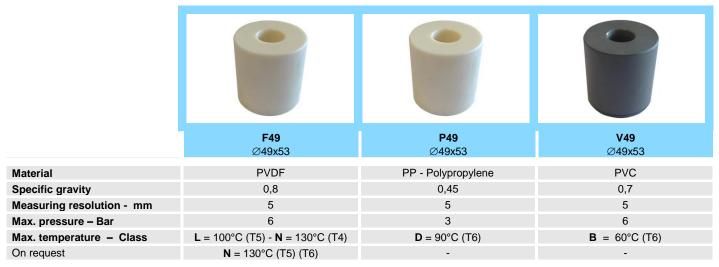
The principle of operation is potentiometric type, based on the gradual shutdown of a chain of resistors and reed contacts, placed inside of the measuring rod by a magnetic float.

GENERAL CHARACTERISTICS

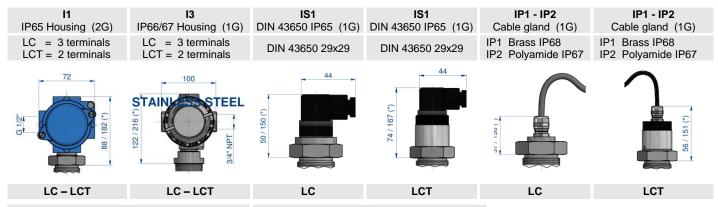
- PVC PP PVDF
- Measuring resolution 5 mm.
- Potentiometric signal output (LC).
- 4-20mA analog output (LCT).
- 0-10V analog output via safety barrier SAFE POT.
- Up to 5 m length.
- Maximum working pressure 6 Bar.
- Working ambient temperature.
 -40/+40°C = T6, -40/+55 °C = T5, -40/+80 °C = T4
- Standard working temperature up to 130°C.
- Minimum degree of protection IP65



FLOATS Tab.1



ELECTRICAL OUTPUT Tab.2



With heatsink - see dimension (*)

LCT = Temperature class N (T5) (T6)

We reserve the right to change the data without notice



PROCESS CONNECTIONS

Tab.3

Installation from ins	side only LC = IP1-2	Flast	Installation from outside - available thread and flanges					
10	15	Float type	50	DN65	DN80	DN100		
3/8"	1/2"	турс	2"	Flange	Flange	Flange		
A.II. t	- (() (-	F49	•	•	•	•		
	e of floats of thread	P49	•	•	•	•		
All type	or triicad	V49	•	•	•	•		

Male thread

G	С	N
Parallel	Conical	Conical
UNI 228/1	UNI 7/1	NPT

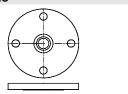
Available materials

F	P	V
PVDF	PP	PVC

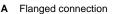
DN = Available materials

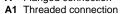
V	S
PVC	AISI 316
	On request

FLANGES

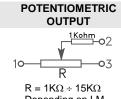


DN = UNI - DIN - ANSI Flanges



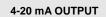


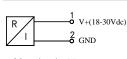
WIRING





LC

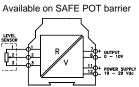




Max. load 500 $\boldsymbol{\Omega}$ Power supply 18 ÷ 36 Vdc

LCT

0-10 V output











SAFETY BARRIER

All Exia level controls must be electrically connected to the active or passive barriers according to the European Standard EN 50020. See technical bulletin SAFE POT e SAFE ANG.

DIMENSIONS

The dimensions L0 and LM are referred to the stop of the fitting (A1) or flange (A) connection. Tolerance on dimension L0 and LM ± 3 mm.

	F49	P49	V49
Α	25	25	25
A 1	45	45	45
В	35	35	35

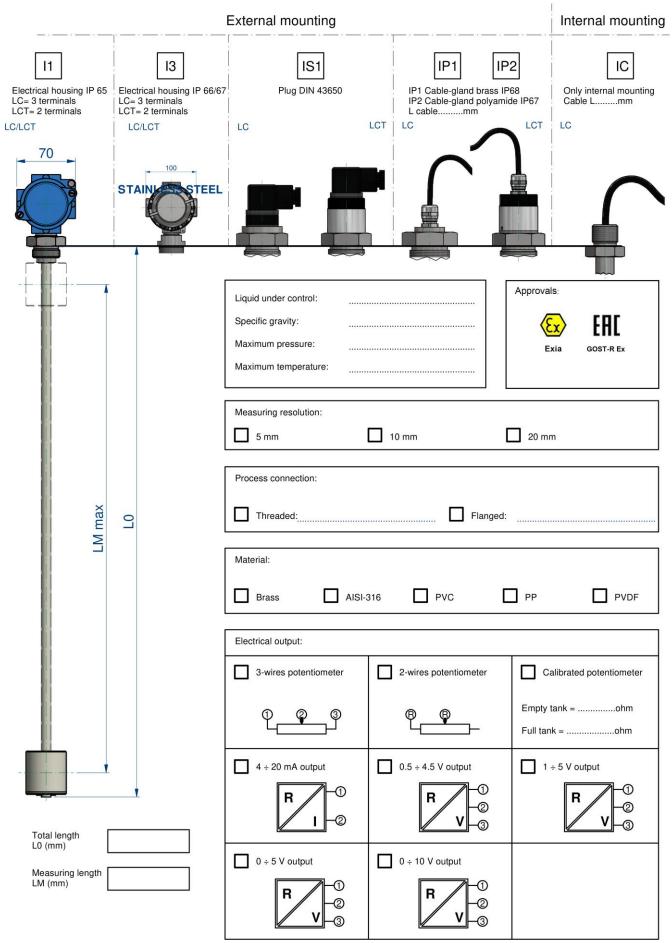
Damping tube On request **AISI-316**

NOMENCLATURE

LC	V49	05	1300 / 1380	٧	– V	50	G	V	11	В	1,5 M		
•													Type: LC – LCT
	•											Tab.1	Float
		•										Tab.1	Measuring resolution (mm).
			•									Tab.4	Measuring length LM / Total length L0 (mm).
				•								Tab.3	Rod material.
					•							Tab.4	Presence and material of damping tube (option).
						•						Tab.3	Process connection dimension.
							•					Tab.3	Process connection thread.
								•				Tab.3	Process connection material.
									•			Tab.2	Electrical output.
										•		Tab.1	Temperature class.
											•	Tab.2	Cable length (IP1 - IP2) 1,5m / 3m. Other on request

LINEAR VF - ATEX I





senseca

02/2018