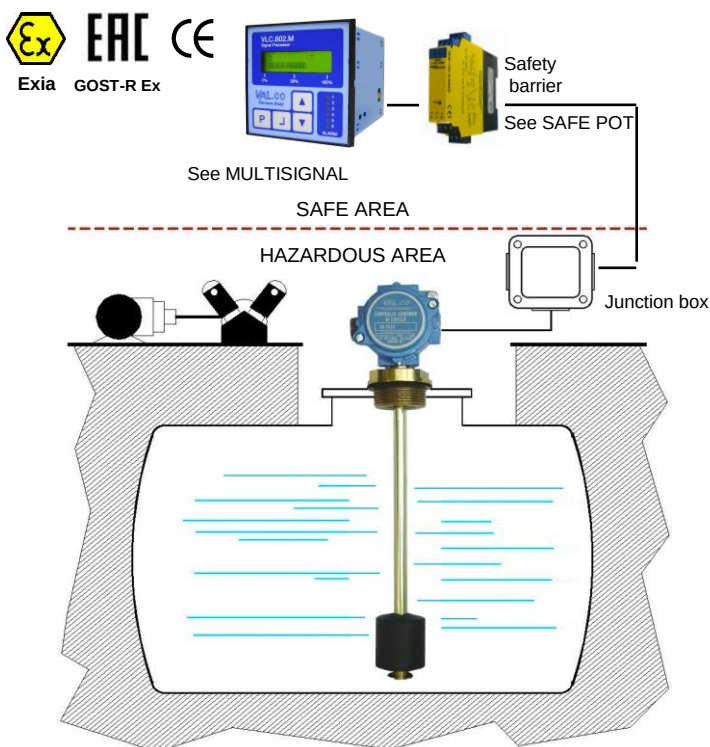


**APPROVED IN ACCORDANCE WITH THE EUROPEAN
STANDARD 2014/34/EU - ATEX**

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

- **Brass – Spansil – Stainless steel rod**
- Measuring resolution 5 – 10 – 20 mm.
- Potentiometric signal output **(LC)**.
- 4-20mA analog output **(LCT)**.
- 0-10V analog output via safety barrier SAFE POT.
- Up to 6 m length depending on the used float.
- Maximum working pressure 20 Bar.
- Working ambient temperature.
-40/+40 °C = T6, -40/+55 °C = T5, -40/+80 °C = T4
- Standard working temperature up to 100°C.
- Execution up to 120°C on request.
- Minimum degree of protection IP65

FLOATS

Tab.1

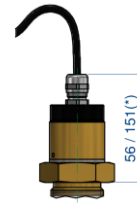
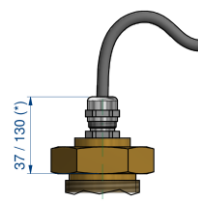
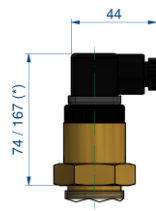
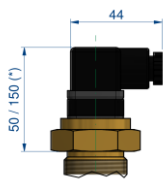
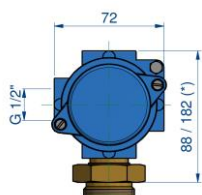


Material	Spansil – Butadiene - Acrylonitrile Copolymer				
Specific gravity	0,44	0,4	0,4	0,35	0,45
Measuring resolution - mm	5 – 10	5 – 10	5 – 10	5 – 10 – 20	5 – 10 – 20
Max. pressure – Bar	20	20	20	20	20
Max. temperature – Class	L = 100°C				
On request	M = 120°C				

ELECTRICAL OUTPUT

Tab.2

I1	I3	IS1	IS1	IP1 - IP2	IP1 - IP2
IP65 Housing (2G)	IP66/67 Housing (1G)	DIN 43650 IP65 (1G)	DIN 43650 IP65 (1G)	Cable gland (1G)	Cable gland (1G)
LC = 3 terminals LCT = 2 terminals	LC = 3 terminals LCT = 2 terminals	DIN 43650 29x29	DIN 43650 29x29	IP1 Brass IP68 IP2 Polyamide IP67	IP1 Brass IP68 IP2 Polyamide IP67



LC – LCT	LC – LCT	LC	LCT	LC	LCT
With heatsink – see dimension (*)		LC – LCT = Temperature class M			

Tab.3

C	S
Steel	AISI-316 On request

A Flanged connection
A1 Threaded connection

LCT

– 0
brass

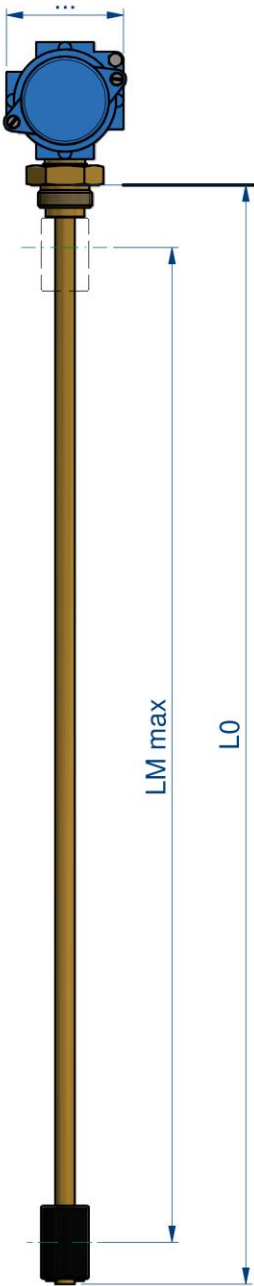
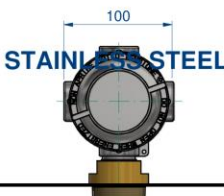
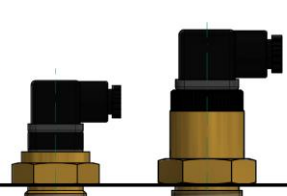
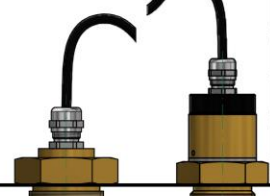
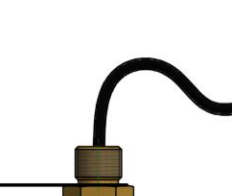
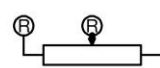
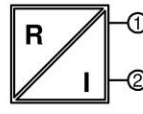
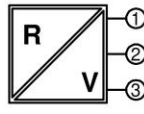
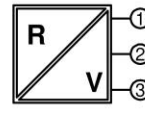
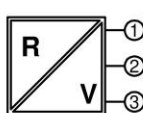
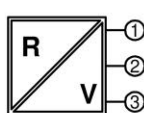
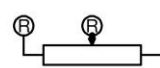
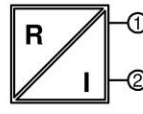
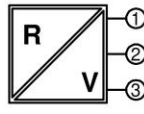
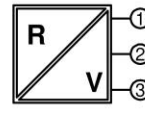
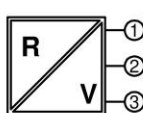
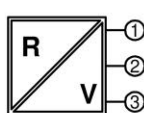
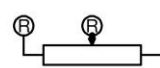
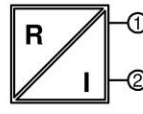
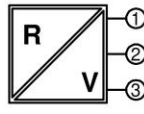
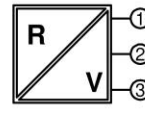
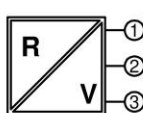
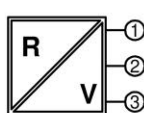
	Type : LC – LCT
Tab.1	Float
Tab.1	Measuring resolution (mm).
Tab.4	Measuring length LM / Total length L0 (mm).
-	Stainless steel rod material.
Tab.4	Presence and material of damping tube (option).
Tab.3	Process connection dimension.
Tab.3	Process connection thread.
Tab.3	Process connection material.
Tab.2	Electrical output.
Tab.1	Temperature class.
Tab.2	Cable length (IP1 - IP2) 1.5m / 3m. Other on request.



LINEAR O - ATEX I



Request form

External mounting				Internal mounting										
I1 Electrical housing IP65 LC= 3 terminals LCT= 2 terminals	I3 Electrical housing IP 66/67 LC= 3 terminals LCT= 2 terminals	IS1 Plug DIN 43650	IP1 IP1 brass cable-gland IP68 IP2 Polyamide cable-gland IP67 L cable.....mm	IC Only internal mounting Cable L.....mm										
LC	LC/LCT	LC	LCT	LC	LC									
														
Liquid under control: Specific gravity: Maximum pressure: Maximum temperature:				Approvals:   Exia GOST-R Ex										
Measuring resolution: ☐ 5 mm ☐ 10 mm ☐ 20 mm														
Process connection: ☐ Threaded: ☐ Flanged:														
Material: ☐ Brass ☐ AISI-316 ☐ PVC ☐ PP ☐ PVDF														
Electrical output: <table border="1"><tbody><tr><td>☐ 3-Wires potentiometer </td><td>☐ 2-wires potentiometer </td><td>☐ Calibrated potentiometer Empty tank =ohm Full tank =ohm</td></tr><tr><td>☐ 4 ÷ 20 mA output </td><td>☐ 0.5 ÷ 4.5 V output </td><td>☐ 1 ÷ 5 V output </td></tr><tr><td>☐ 0 ÷ 5 V output </td><td>☐ 0 ÷ 10 V output </td><td></td></tr></tbody></table>						☐ 3-Wires potentiometer 	☐ 2-wires potentiometer 	☐ Calibrated potentiometer Empty tank =ohm Full tank =ohm	☐ 4 ÷ 20 mA output 	☐ 0.5 ÷ 4.5 V output 	☐ 1 ÷ 5 V output 	☐ 0 ÷ 5 V output 	☐ 0 ÷ 10 V output 	
☐ 3-Wires potentiometer 	☐ 2-wires potentiometer 	☐ Calibrated potentiometer Empty tank =ohm Full tank =ohm												
☐ 4 ÷ 20 mA output 	☐ 0.5 ÷ 4.5 V output 	☐ 1 ÷ 5 V output 												
☐ 0 ÷ 5 V output 	☐ 0 ÷ 10 V output 													
Total length L0 (mm)														
Measuring length LM (mm)														