

APPROVED IN ACCORDANCE WITH SAFETY STANDARD AND FIRE PREVENTION



Level controls designed to meet safety standard under the provisions of **Circular 31.08.78 N: 31/MI.SA (78) 11 point 3.2.4 letter "b"**.

Test report N. **3704/1108/165/43/14**.

Designed for use on storage tanks and installations on board of electrical power generators.



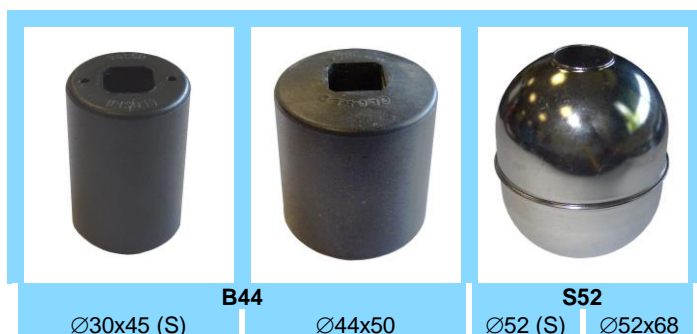
See MULTISIGNAL

GENERAL FEATURES

- Measuring resolution 5 – 10 – 20 mm.
- Potentiometric signal output (**LC**).
- 4-20mA analog output (**LCT**).
- Up to 6m length.
- Brass and stainless steel executions.
- Maximum working pressure 40 bar depending on the used float.
- Operating ambient temperature -30/+55°C UR 90%.
- Standard working temperature up to 105°C.
- Executions up to 150°C on request.
- Minimum degree of protection IP65.

FLOATS

Tab.1

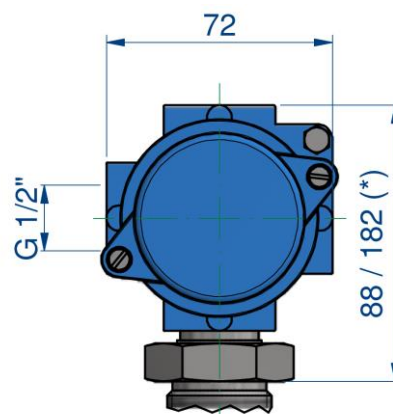


Material	Spansil Butadiene - Acrylonitrile Copolymer		AISI 316	
	Ø30x45 (S)	Ø44x50	0,68	0,65
S.G.	0,35	0,45	0,68	0,65
Measuring resolution (mm)	5 – 10 – 20		5	10 – 20
Max bar	20		40	
Max °C	L = 105°C			
On request	M = 120°C		R = 150°C	

ELECTRICAL OUTPUT

Tab.2

A1 IP65 Housing
With heatsink – see dimension (*)
LC = Temperature class R
LCT = Temperature class M – R



PROCESS CONNECTIONS

Tab.3

Type of float	Installation from outside				
	25	32	40	50	FHOX
B44	1"	1 1/4"	1 1/2"	2"	Ø70 Flange 6 holes Ø4,5
S52	(S)	(S)	•	•	•
S52	-	-	-	•	-

Thread

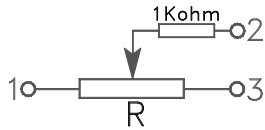
G
Parallel
UNI 228/1 - Male

Available materials

O	S
Brass	AISI-316

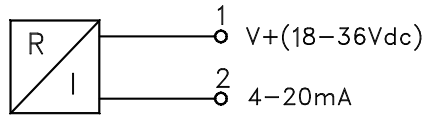
WIRING

LC Type POTENTIOMETRIC OUTPUT



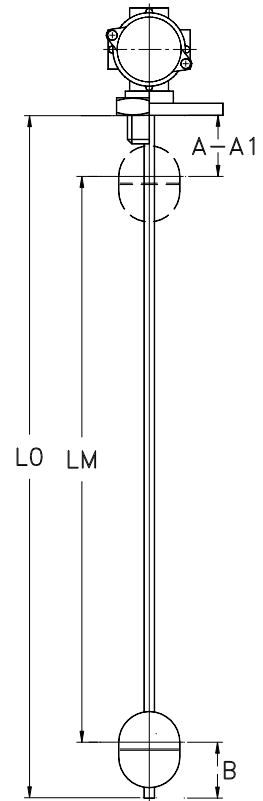
$R = 1K\Omega \div 15K\Omega$
Depending on
measuring length LM

LCT Type 4-20 mA ANALOG OUTPUT



Max. load 500 Ω - Power supply 18 \div 36 Vdc

A Flanged connection
A1 Threaded connection



DIMENSIONS

Tab.4

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

	B44		S52	
A	25		25 (S)	35
A1	45 (S)	45	45 (S)	55
B	30		30 (S)	40

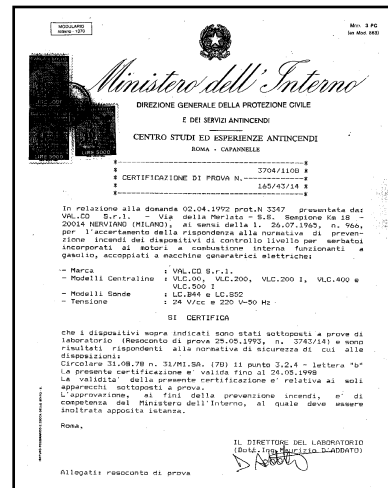
Minimum dimensions in mm.

Damping tube	-	-L	-O	-S	-V
On request	-	Aluminium	Brass	AISI-316	PVC

NOMENCLATURE

LC	B44	10	1300 / 1390	O	-L	40	G	O	A1	L
•										
	•									
		•								
			•							
				•						
					•					
						•				
							•			
								•		
									•	
										•

LC	= Potentiometric output
LCT	= 4-20mA analog output
Tab.1	Float
Tab.1	Measuring resolution (mm).
Tab.4	Measuring length LM / Total length L0 (mm).
Tab.3	Rod material.
Tab.4	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.





Request form

W1

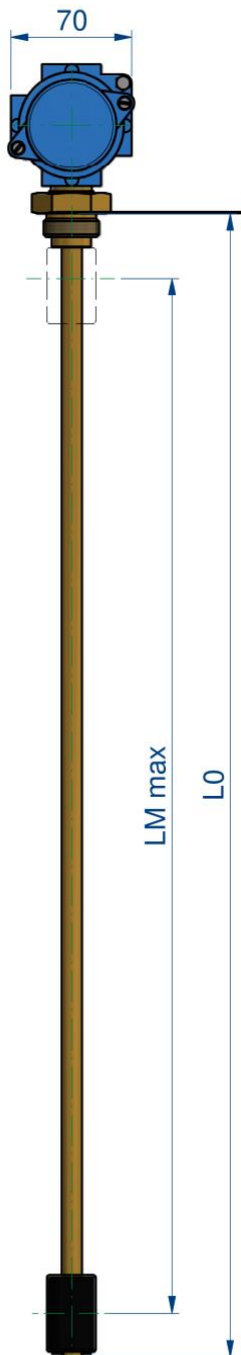
Electrical housing IP 65



Ministero dell'Interno



LC/LCT



Total length
L0 (mm)

Measuring length
LM (mm)

Floats



Material	Spansil		AISI 316	
	Butadiene - Acrylonitrile Copolymer			
S.G.	0,35	0,45	0,68	0,65
Measuring resolution (mm)	5 - 10 - 20		5	10 - 20
Max bar	20		40	
Max °C	L = 105°C			
On request	M = 120°C		R = 150°C	

Measuring resolution:

5 mm 10 mm 20 mm

Process connection:

Threaded: Flanged:

Material:

Brass AISI-316

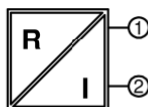
Electrical output:

3-wires potentiometer 2-wires potentiometer Calibrated potentiometer

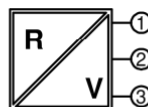


Empty tank =ohm
Full tank =ohm

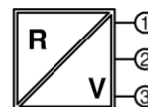
4 ÷ 20 mA output



0.5 ÷ 4.5 V output



1 ÷ 5 V output



0 ÷ 5 V output



0 ÷ 10 V output

