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

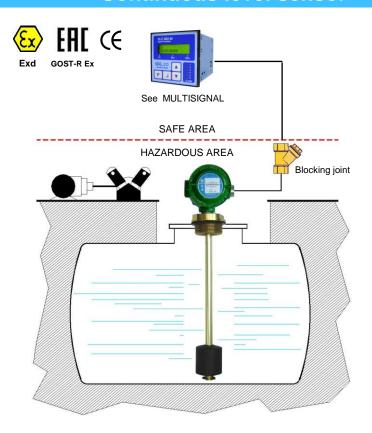
These instruments, explosion-proof certified:

CESI 03 ATEX 272 Ext.2 1/2G Exdb IIC T5/T6 G2/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

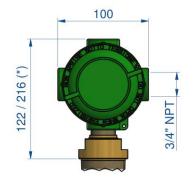
- Brass Spansil Stainless steel rod
- Measuring resolution 5 10 20 mm.
- Potentiometric signal output (LC).
- 4-20mA analog output (LCT).
- Up to 6 m length depending on the used float.
- Maximum working pressure 20 Bar.
- Working ambient temperature.
 -40/+40°C = T6, -40/+60 °C = T5
- Standard working temperature up to 100°C.
 Execution up to 120°C on request.
- Minimum degree of protection IP67
- Built-in temperature sensors, on request.
 PT PTC NTC



FLOATS Tab.1 **B22 B28 B20 B45 B44** Ø20x22 Ø20x28 Ø30x20 Ø30x45 Ø44x50 Spansil - Butadiene - Acrylonitrile Copolymer Material 0,44 0,45 Specific gravity 0,4 0,4 0,35 Measuring resolution - mm 5 - 105 - 105 – 10 5 - 10 - 205 - 10 - 20Max. pressure - Bar 20 20 20 20 20 Max. temperature - Class L = 100°C

M = 120°C

ELECTRICAL OUTPUT Tab.2



E1	IP66/67 Housing – Aluminum - Epoxy painted
E3	IP66/67 Housing – AISI 316 St. steel
ı	With heatsink - see dimension (*) C - LCT = Temperature class M

We reserve the right to change the data without notice

BE#179/3-10/2017

On request



PROCESS CONNECTIONS

			Installation f	rom outside –	available thread	ds and flange		
Type of float	20	25	32	40	50	FOHX	DN50	DN65
	3/4"	1"	1¼"	1½"	2"	Flange	Flange	Flange
B22	G-C-N	G-C-N	-	-	-	•	-	-
B28	G-C-N	G-C-N	-	-	-	•	-	-
B20	-	G	G-C-N	-	-	•	•	-
B45	-	G	G-C-N	G-C-N	-	•	•	-
B44	-	-	-	G	G-C-N	•	•	•

Male thread

G	С	N
arallel II 228/1	Conical UNI 7/1	Conical NPT
arallel		Conical

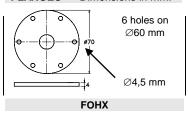
Available r	materials
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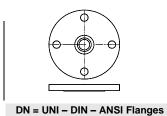
0	S
Brass	AISI-316
	On request

DN = Available materials

С	S
Steel	AISI-316
	On request

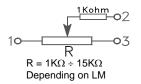
FLANGES Dimensions in mm.

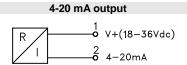




WIRING

POTENTIOMETRIC OUTPUT





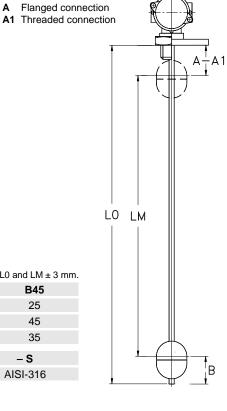
Max. load 500 $\boldsymbol{\Omega}$ Power supply 18 ÷ 36 Vdc

LCT

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 ± 3 mm.

	B22	B28	B20	B44	B45
Α	10	15	10	25	25
A 1	25	30	30	45	45
В	15	25	20	35	35
Damping tube On request	e _	alumi	_	- O brass	– S AISI-316
On request	_	alumi	nium	brass	AISI-316



OPTION - Built-in temperature sensor

Only for LC type = On request, it is possible to install a temperature sensor located at the bottom of the rod inside the instrument.

,,		
PT100 - PT1000	PTC	NTC
EN 60751 - IEC 751	Resistance a 25°C ≤ 500 Ω	Resistance a 25°C 2-5-10-50-100 KΩ
Class B - A (on request)	Temperature 60°C ÷ 120°C	Precision $\pm 5\%$ / $\pm 3\%$ (on request)

NON	JENC	LAT	URE								
LC	B45	10	1300 / 1380	S	– L	25	G	0	E1	L	
•											
	•										Tab.1
		•									Tab.1
			•								Tab.4
				•							-
					•						Tab.4
						•					Tab.3
							•				Tab.3
								•			Tab.3
									•		Tab.2
										•	Tab.1

All level controls Exd certified must be connected by interposing the appropriate blocking joints according to the European Standard EN 50018.

LINEAR O - ATEX E

Request form

