

### Application

LBA float level gauge is designed to measure level of liquids in storage tanks, including measuring in explosive environments. Level sensor is a mechanical-electronic device, whose construction enables a modular way of creating various variants according to the customer's needs.

### Functional description

- selectable measuring range
- local views on a large readable dial
- selectable of 2 type head (170mm or 250mm)
- selectable output signal
- limit signaling switches
- standard / Exi version
- selectable material of wetted parts - float and guide tube
- selectable float type
- selectable connection - flange, threaded joint

### Technical data

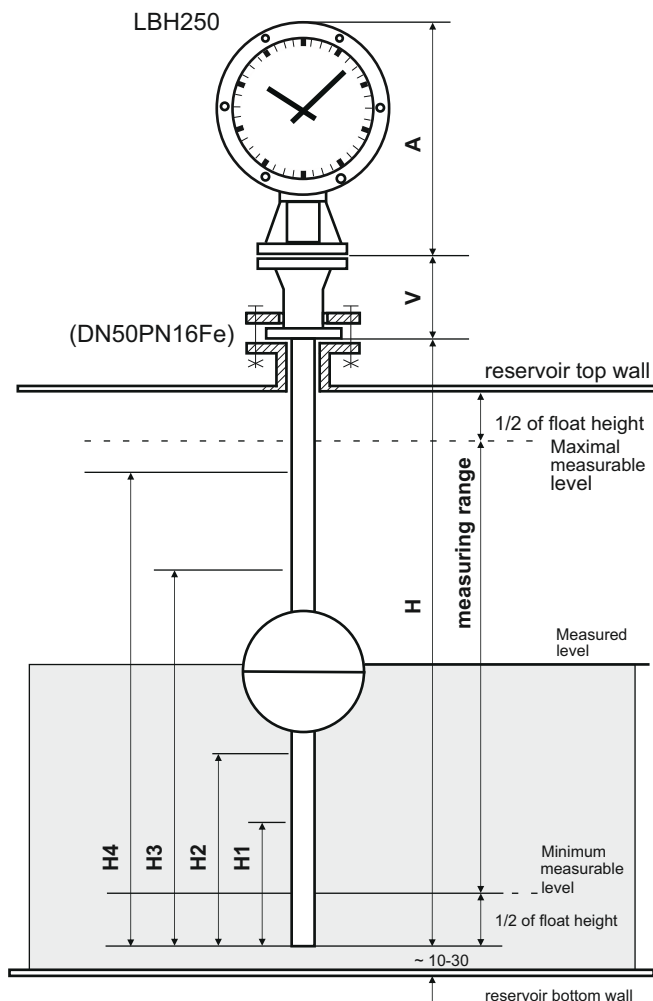
- measuring range up to 5 or 10 m
- local views of the dial with 2 hands
- head LBH170 - Ø 170mm/ h 220mm  
LBH250 - Ø 250mm/ h 175mm
- output 100 ohm resistive output  
R/I 4-20 mA  
R/U 0-10 V
- limit signaling switches
- wetted parts material Stainless steel/PP
- floats for mass density of liquid from 0.4kg/dm<sup>3</sup>
- standard connection - flange DN50PN16Fe
- temp. at the measurement point from -150 to 350°C
- housing protection Ip65

### Certification

- EU declaration of conformity
- ISO9001/2016



### Overall dimensions



### Specification table

LBA-	XX.	X	X.	X	X		
	01.	X	X.	X	X	to 5 m	the scale for local indication
	02.	X	X.	X	X	to 10 m	
		0	X.	X	X	0	number of switches
		2	X.	X	X	2	
		4	X.	X	X	4	
		0.	X	X		Without equipment	switches (microswitches) of level
		1.	X	X		Microswitches	
				3	X	No explosion hazard - „BNV”	head to standard environment according to the agreement
				9	X	BNV	
					0	BNV	without output signal
					1	BNV	output signal 4-20 mA, two-wire connection
					4	BNV	output signal 0-100R
					5	BNV	output signal 0-1000R
					9	BNV	according to the agreement

Integral part of the order is also filled-in questionnaire available separately.

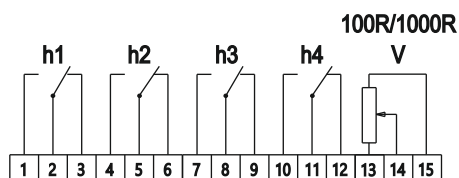
### Specification table for Exi version

LBA-	XX.	X	X.	X	X.	Ex	
	01.	X	X.	X	X		to 5 m
	02.	X	X.	X	X		to 10 m
		0	X.	X	X		0
		2	X.	X	X		2
		4	X.	X	X		4
		0.	X	X			Without equipment
		1.	X	X			Microswitches
		2.	X	X			Switches
				2	X		Zone 2
					0		zone 2
					1		zone 2
					9		zone 2

Integral part of the order is also filled-in questionnaire available separately.

### Schematic diagram

Four wire design



Two-wire design

