

Model LV38 Flange Mounting Liquid Level Transmitters

Based on BCM piezoresistive technology, model LV38 liquid level transmitters are designed for gauge pressure (relative pressure) application in liquid level measurement. The process connection of LV38 transmitter is a flange, which allows LV38 to be able to measure viscous and corrosive pressure media, such as fluids or fluids with grains. Corrosive media can be measured by choosing the material of the process connection as Hastelloy-C or Monel.

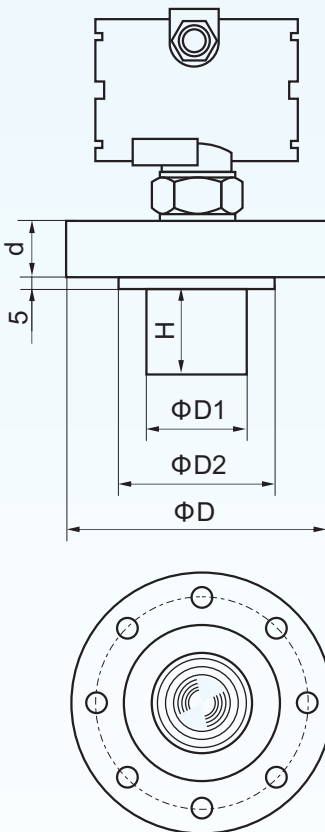
The measuring pressure range of LV 38 liquid level transmitters spans from 0~0.6 to 0~200 mH₂O. These transmitters provide an output signal of 4~20 mA (HART version or other amplified output signals such as 0~5 V or 0~10 V can be provided on request). These transmitters are also equipped with a 4½ digits LCD display. The measuring accuracy of LV38 level transmitter is 0.5%fso (fso = full scale output). The media temperature range is -40 ~ +125 °C.



Features:

- measuring ranges: 0~0.6, ..., 0~200 mH₂O
- media temperature range: -40 ~ +125 °C
- output signal: 4~20 mA (standard),
option: 4~20 mA with HART, 0~5 V or 0~10 V
- field display: 4½ digits LCD display, option: no display
- measuring accuracy: 0.5%fso (standard)
- flange material: 316 SS (standard), option: 316L SS, Hastelloy-C, Monel
- construction: integrated construction, rigid and robust
- protection class: IP 65

Dimensions of Flange:



flange specifications and dimensions:

flange spec's*	d	D1	D2	D	H
DN80PN6	30	66	127	190	0 (standard), 50, 100, or 150
DN100PN16	30	89	157	220	0 (standard), 50, 100, or 150
DN100PN25	35	66	127	235	0 (standard), 50, 100, or 150
DN125PN16	38	89	157	250	0 (standard), 50, 100, or 150

*: The specifications of the flanges listed above follow the DIN standard.
Other flanges are available on request.

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Flange mounting Liquid Level Transmitters



Technical data:

parameters	units	specifications
measuring media		liquids compatible with wetted parts
measuring ranges	mH ₂ O	0~0.6, 0~1, 0~2, 0~5, 0~10, 0~20, 0~50, 0~100, 0~200
overload pressure	%FS	200 (range ≥ 2mH ₂ O), 300 (range < 2mH ₂ O)
supply voltage	Vdc	24 (recommended), 12, ..., 36
output signal		4~20 mA (standard), option: 4~20 mA with HART, 0~5 V or 0~10 V
accuracy	%FSO	± 0.5
long-term stability	%FSO/year	< ± 0.15
load resistance	Ω	250~1150
insulation resistance	MΩ	> 500 @ 500 Vdc
storage temperature range	°C	-40 ~ +85
media temperature range	°C	-40 ~ +125
operating temperature range	°C	-20 ~ +80
compensated temperature range	°C	0 ~ +70
temperature coefficient of ZERO	%FS/°C	± 0.01
temperature coefficient of SPAN	%FS/°C	± 0.01
process connection	flange specs	DN80PN6(standard), DN100PN16, DN100PN25, DN125PN16, others on request
	materials	316 SS (standard), 316L SS, Hastelloy-C, or Monel
electrical connection	internal thread	M20x1.5 (standard), ½ NPT
display		4 ½ digits LCD (standard), no display
pressure membrane material		316L SS
housing material		316 SS
environment protection	IP rating	IP 65

The listed specifications are subject to change without prior notice.

How to order:

model-range-output-accuracy-flange type & material, depth -electric connection-display-customer specific requests

ordering code example: LV38 - 0/10 mH₂O - 0/5 V - 0.5%fso - DN80PN6, 316L, 50mm - M20x1.5 - no display



ISO9001 Certified Company

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