Transmitter 2-wire, flameproof enclosure

II 2 G Ex db IIC T6 Gb II 2 D Ex tb IIC T85°C Db

Type 32608-ND-xx

Function: Transmitter Ex d with ATEX/IECEx certificate for use with WEKA VLI for media temperature ≤ 150°C

The transmitter is mounted outside of the float chamber opposite to the indication rail (see datasheet 20010501). The magnet inside the float activates the reed switches in the transmitter, depending on the level of liquid in the float chamber, thereby changing the effective value of a resistance network. The resulting voltage output is converted by an internal electronic circuit to a 4...20mA signal.

If the liquid level rises above the measuring range of the transmitter the output signal jumps to 115% and remains on that limit.

This transmitter is compatible with Zones 1, 2, 21 and 22 for gas groups IIA, IIB, IIC, IIIA, IIIB and IIIC.

The metal housing of the transmitter must be connected to protection ground.

Certificate

II 2 G Ex db IIC T6 Gb ZELM 15 ATEX 0536
II 2 D Ex tb IIC T85°C Db IECEx ZLM 15.0002

Temperature class resp. max. surface temperature refers to below mentioned table.

-50°C...+150°C
T6 / T95°C
-50°C...+85°C
T5 / T95°C
-50°C...+135°C
T4 / T105°C
-50°C...+50°C
T4 / T100°C

Dimensions Internal circuit External electrical connections

Product code: 32608-ND-10 10mm resolution
32608-ND-05 5mm resolution

M el. = Measuring length in mm

Resolution

Transmitter tube dia.

Measuring length "M el."

Supply voltage

14VDC ... 30VDC

Operating temperatures

<table>
<thead>
<tr>
<th>Media temperature</th>
<th>Ambient temperature</th>
<th>Temperature class</th>
</tr>
</thead>
<tbody>
<tr>
<td>-50°C...+150°C</td>
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</tbody>
</table>

Enclosure IP66 & IP68 - 10bar (EN60529)
Transmitter 2-wire, flameproof enclosure
Type 32608-ND-xx

Signal output
4…20mA current loop

Output load (including energy limiting device and cables)
max. 1000Ohm at 14VDC
max. 900Ohm at 30VDC

Fixation
When ordering level indicators with transmitters, hose clamps are included.
When ordering transmitters as spare parts, hose clamps are never included and must be ordered separately.
In case of ordering hose clamps pipe size must be indicated.
For pipe diameter 30…40mm P/O 80648
For pipe diameter 40…57mm and 57…80mm P/O 84043

Note
Please read the instructions in our datasheet 20010501 before performing installation.
This device is maintenance-free and repair work is prohibited.
The cable must be durably installed.
The relevant certificates are available at www.weka-ag.ch These information has to be considered additionally.