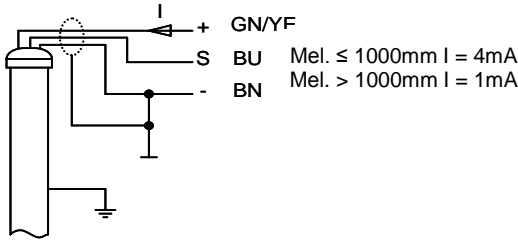


External electrical connections



Description:

Transmitter for use with WEKA Visual Level Indicators media temperature ≤ 350°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. This converts a current input into a variable voltage output signal that can be fed directly to a remote display or recording instrument. If the liquid level rises above the measuring range of the transmitter (30mm) the output signal jumps to 115% and remains on that limit.

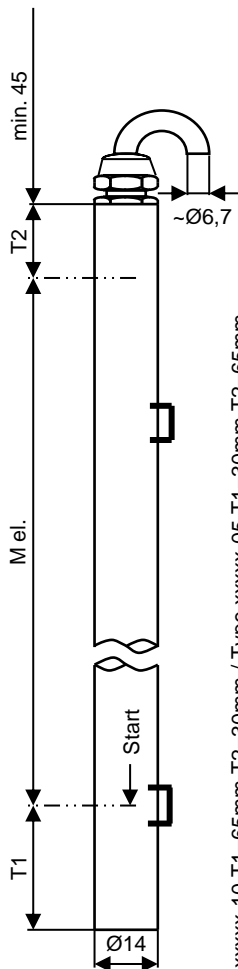
Product code:

[For details see page 2](#)

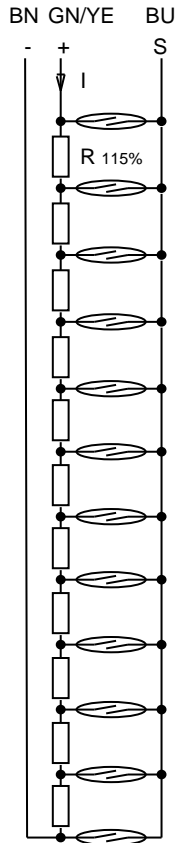
29710-W-010-10 10mm resolution
29710-W-010-05 5mm resolution
M el. = Measuring length in mm

Dimensions

Internal circuit



Mel. ≤ 1000mm I = 4mA
Mel. > 1000mm I = 1mA



Type xxxxx-10 T1=65mm T2=30mm / Type xxxxx-05 T1=30mm T2=65mm

Resolution

29710-W-010-10 10mm **29710-W-010-05 5mm**

Transmitter housing tube dia.

Ø 14 / 10 Ø 17 / 14

Measuring length "M el."

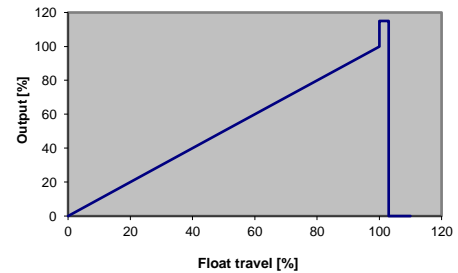
200mm (min.) to 4000mm (max.)
Longer M el. available with types 34067, 34167, and 34267 (more piece design)

Supply current

M el. ≤ 1000mm I = 4mA
M el. > 1000mm I = 1mA

Signal output

- With R = 10Ω and I = 1mA
10mV per step (1cm)
- With R = 10Ω and I = 4mA
40mV per step (1cm)



Operating temperature

Media temperature -50°C ... +350°C
Ambient temperature (Ta) -20°C ... +50°C

Enclosure

IP68 - 10bar (EN60529)

Materials

Housing tube
Cable gland
- Seal
Cable (Standard 5m)

Stainless steel 316 / 316L
Brass: nickel plated
FKM / Fluoroelastomere
Silicone: red, 3 x 0.75mm², Ø ~ 6.7mm, halogen-free, largely resistant to oils/petroleum products
Polyester: silver, black printing

Type label

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	Part no.	80648
For pipe diameter	40...57mm and 57...80mm	Part no.	84043

Note

Please read the instructions in our datasheet 20010501 before performing installation.
The transmitter can be used as a resistor network only when leads BU and BN or BU and GN/YE are connected.