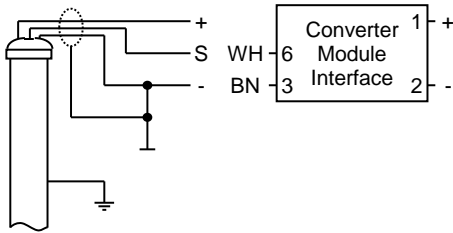


External electrical connections



Description:

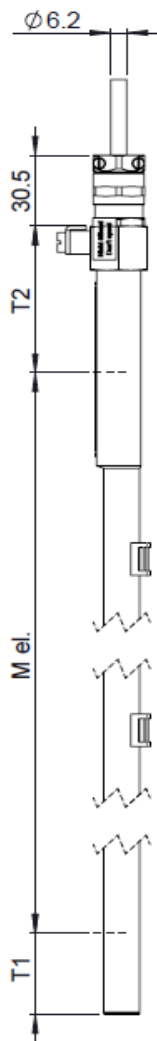
Flameproof enclosures transmitter for use with HART® converter module interface and 4...20mA current output for use with WEKA Level Indicators media temperature ≤ 150°C

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 into a 2-wire 4...20mA current output with superimposed HART® digital communication. The measuring length of transmitter (M el.) must be larger than the measuring length of the indicator (M). Refer to the table below. Transmitter settings are selected through the Converter Module Interface.

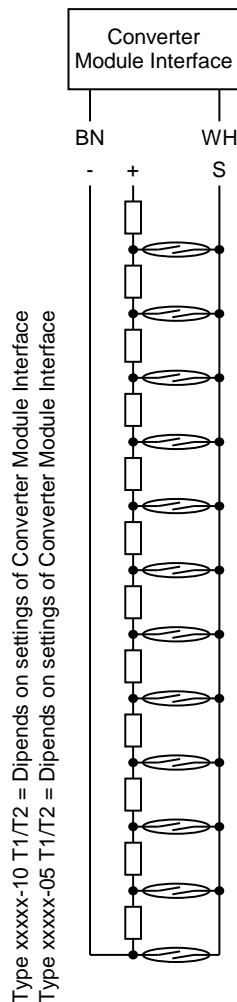
Product code: **29710-R-ND-10** 10mm Resolution  
**29710-R-ND-05** 5mm Resolution  
M el. = (see below)

Measuring length "M el." 250mm (min.) to 4000mm (max.)

Dimensions



Internal circuit



Type xxxxx-10 T1/T2 = Depends on settings of Converter Module Interface  
Type xxxxx-05 T1/T2 = Depends on settings of Converter Module Interface

Level Indicator	Media Density	x	y	Measuring Length (M el.)
Type	[g/cm <sup>3</sup> ]	[mm]	[mm]	[mm]
34000-A /-K u. 34110-K	≥ 0,6	20	10	= M + 330
34000-A /-K u. 34110-K	≥ 0,7	20	10	= M + 230
34000-A /-K u. 34110-K	≥ 0,8	20	10	= M + 160
34000-A /-K u. 34110-K	≥ 1,0	20	10	= M + 120
Standard Line -A /-K High Pressure Line -A /-K Petro Line -A /-K				= M + 180

For others, calculate M el. as follows:

$$M \text{ el. [mm]} = M + C1 - X - 65 + C2 + Y - 30 \text{ (M = measuring length of indicator)}$$

HART® Converter

[HART 38021](#)

Transmitter housing tube dia.

refer to type 29710-ND

Resolution

refer to type 29710-ND

Power supply

Refer to HART® Converter data sheet

Operating temperature

refer to type 29710-ND

Enclosure

refer to type 29710-ND

Materials

refer to type 29710-ND

Certificates

refer to type 29710-ND

Fixation  
refer

Note

refer to type 29710-ND