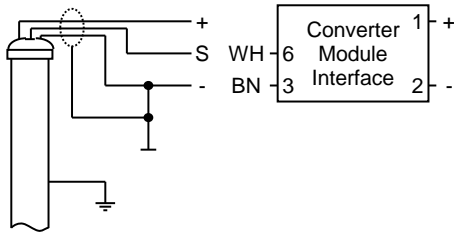


External electrical connections



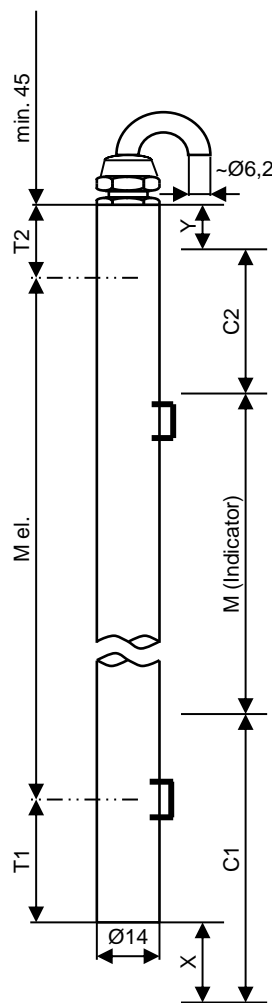
Description:

Intrinsically safe transmitter with HART® converter module interface and 4...20 mA current output for use with WEKA Visual 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.

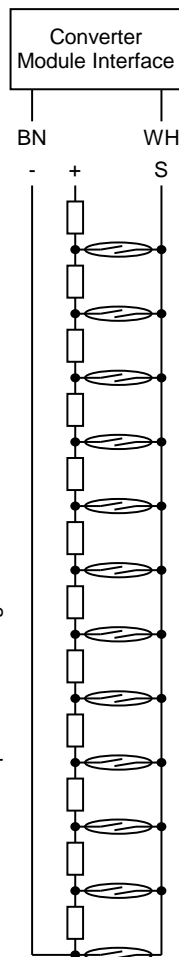
Product code: **29710-R-NI-10** 10mm Resolution  
**29710-R-NI-05** 5mm Resolution  
M el. = (see below)

Dimensions



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

Internal circuit



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

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

HART® Converter [HART 37384](#)

Transmitter housing tube dia. refer to type 29710-NI

Resolution refer to type 29710-NI

Power supply Refer to HART® Converter data sheet

Operating temperature refer to type 29710-NI

Enclosure refer to type 29710-NI

Materials refer to type 29710-NI

Certificates refer to type 29710-NI

Fixation refer

Note refer to type 29710-NI