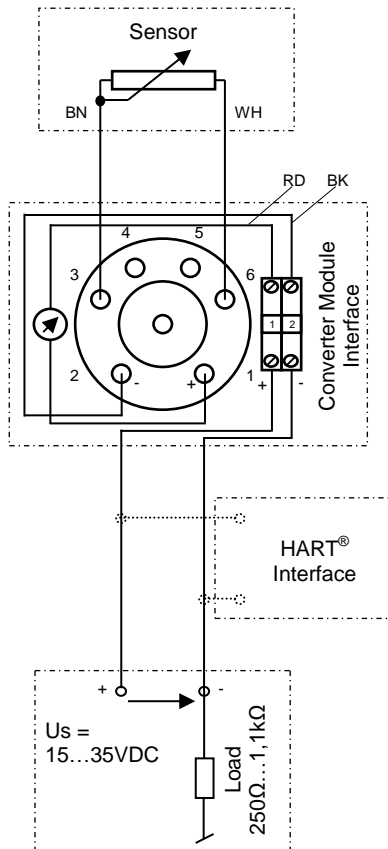
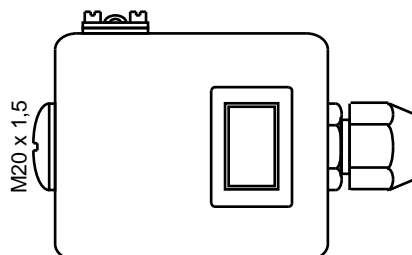
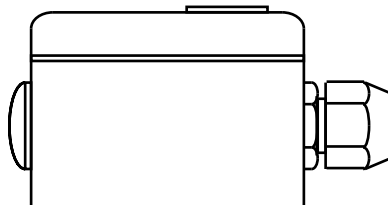
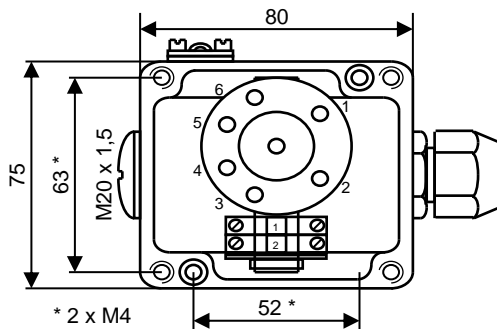


External electrical connections



Dimensions



Function

HART® converter module interface with 4...20mA current loop output and digital display for use with WEKA Transmitter 29710-R-010-xx and 29710-R-W-010-xx

The converter module interface attached to the float chamber generates a resistance output proportional to the liquid level inside the chamber. The interface converts this variable resistance into a 2-wire 4...20mA current output with superimposed HART® digital communication. Zero and range setting is done through the HART® communication channel. For high temperature applications, the converter module interface can be installed at a distance (up to 10m) away from the level indicator and transmitter.

Additionally there is a digital display built in to the terminal box

Product code

40038

Resolution

refer to [29710-R-010-xx](#) [29710-R-W-010-xx](#)

Housing dimensions

80 x 75 x 57mm

Cable entry

threaded socket M20 x 1,5

Installation

On mounting plate (860528) or at other suitably prepared location using 2 x M4 screws 52 x 63 mm diagonal spacing

Specifications

Loop supply voltage	15 ... 35VDC
Voltage drop	14VDC
Isolation voltage / operation	1,5kVAC / 50VAC
Communication	Loop Link 5905 & HART®
Current loop output	4 ... 20mA
Digital display	4 digit LCD, display value in % \pm 4...20mA
Response time	440ms
Transmitter fault output	3.5mA or 23mA (programmable)
Input	0 Ω (min.) to 7000 Ω (max.)
Minimum span	min. 25 Ω
Lead wire resistance	max. 5 Ω
Transmitter current	0.2mA, nominal
Basic accuracy	\leq +/- 0,1 Ω
Temperature coefficient	\leq +/- 5m Ω / °C
Zero offset	max. 50% of selected span

Operating temperature

Media temperature	29710-R-010-xx	-50°C ... +150°C
	29710-R-W-010-xx	-50°C ... +350°C
Ambient temperature (Ta)		0°C ... +50°C
Operation temperature	(mounted on VLI)	0°C ... +50°C
	(away from VLI)	< 0°C / > +50°C

Enclosure

IP65 (EN60529)

Materials

Housing	Alu: blue, with grounding terminal
Digital display	Plastic: black
	Display black & green
Cable gland	PA: grey, M20x1,5
- Seal	Perbunan (NBR)
- Cable compatibility	\varnothing 3 ... 7mm, max. 2 x 1mm ²
Type label	Polyester: silver, black printing