

## CARBON MONOXIDE (CO) TRANSMITTER HML

HML carbon monoxide transmitters are designed for detecting carbon monoxide in underground parking garages and parking halls. The measuring cell is an environmentally friendly electro-chemical cell with good long term stability and high accuracy. A calibration report is delivered with the transmitter.

As the sensor is heated, the transmitter works also in temperatures down to -30 °C.

Please note the warm-up time at the commissioning; output is 0 V or 4 mA and the display of HML-N is blinking.

The transmitter calibration interval is one year. However, the HMV exchange kit is the recommended method to ensure the correct transmitter function. A new calibration report is delivered with the exchange kit.

**NOTE:** We expect returning of the replaced parts for further use. This helps to keep the HMV exchange kit price low.

If necessary, the transmitter can be calibrated by using HML-C tool and 150 ppm reference gas.

**IMPORTANT:** The reference gas must contain oxygen (O<sub>2</sub>).

### Selecting the measuring range

	0...100 ppm	0...300 ppm *
<b>S1</b>	■	● ●

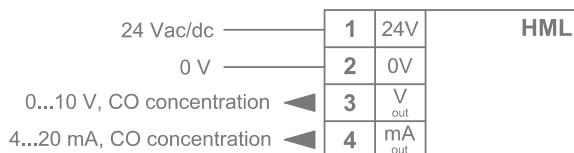
\* = factory setting

### Selecting the output signal

	0...10 Vdc *	4...20 mA
<b>S2</b>	■	● ●

\* = factory setting

### Wiring



### Technical data:

Supply	24 Vac/dc (22...28 V), 2 W
Range	0...100 ppm or 0...300 ppm*
Accuracy (at 25 °C)	±10 ppm for < 70 ppm values ±15 % of value for > 70 ppm values
Output	0...10 Vdc < 1 mA* or 4...20 mA < 500 Ω
Time constant (t63%)	1.5 min
Warm up time	6 min
Operating temp.	-30...40 °C
Housing	IP54, cable gland downwards
Mounting	by screws
Dimensions (w x h x d)	100 x 113 x 46 mm
Sensor life time	< 7 years (40 % rH, 20°C) * factory settings

### Ordering guide:

Model	Product number	Description
HML	1135520	CO transmitter
HML-N	1135521	CO transmitter with display
HMV	1135510	exchange kit
HML-C	1135522	calibration tool for HML

Products fulfil the requirements of directive 2004/108/EU and are in accordance with the standards EN61000-6-3: 2001 (Emission) and EN61000-6-2: 2001 (Immunity).