

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 $^{\circ}\text{C}.$

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 recommended transmitter calibration interval is one year. HMV exchange kit can be used 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.

Selecting the measuring range

	0100 ppm	0300 ppm *
S1	• •	

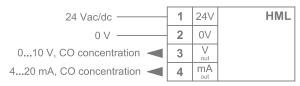
^{* =} factory setting

Selecting the output signal

	010 Vdc *	420 mA
S2		• •

^{* =} factory setting

Wiring





Technical data:

 Supply
 24 Vac/dc (22...28 V), 2 VA

 Range
 0...100 ppm or 0...300 ppm*

 Accuracy (at 25 °C)
 ±10 ppm for < 70 ppm values</td>

 $\begin{array}{ccc} & \pm 15 \% \text{ of value for > 70 ppm values} \\ \text{Output} & 0...10 \text{ Vdc} < 1 \text{ mA* or} \end{array}$

Output $0...10 \text{ Vdc} < 1 \text{ mA}^*$ $0...20 \text{ mA} < 500 \Omega$ Time constant (t63%) $0...10 \text{ Vdc} < 1 \text{ mA}^*$ $0...10 \text{ MA}^*$ 0...1

Warm up time 6 min
Operating temp. -30...40 °C

Housing IP54, cable gland downwards Mounting by screws

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:

0.009 90			
Model	Product number	Description	
HML	1135520	CO transmitter	
HML-N	1135521	CO transmitter with display	
HMV	1135510	exchange kit	

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