



SCO-E2-i

CO sensors, type SCO-E2-i

- Measurement of CO concentration (ppm)
- Power supply: AC/ DC 24 Volt
- Output signal: 4..20mA or 0..10Vdc @ 0..300 or 0..100ppm
- Wall mounting

CO
4..20mA / 0..10V

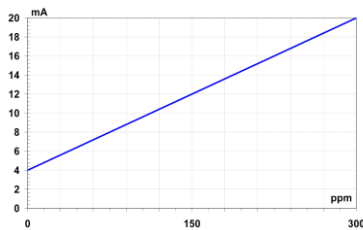
Description

The sensors, type SCO-E2-i, are designed to detect carbon monoxide (CO) concentration in underground parking garages and parking halls.

The principle of measuring is an electro-chemical measuring cell.

Depending on the concentration of CO in the air the SCO2-E2-I sensor delivers a proportional 4..20mA or 0..10Vdc output signal. The measuring range of the SCO-E2-i sensors can be chosen as 0..300ppm or 0..100ppm CO.

These sensors are build in a IP54 plastic housing. Electrical wiring is done through terminals inside the sensor housing.



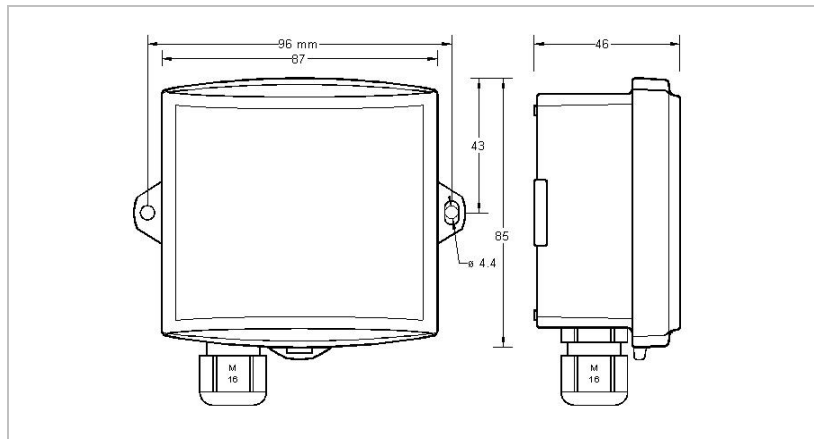
SCO-E2-i

Technical data

SCO-E2-i

Power supply	24Vac/dc 2W (22vac/dc...28Vac/dc)
Mounting	wall mounting
Output signal	4..20mA, < 500Ω or 0..10Vdc < 1mA
Response time t_{63}	< 1,5 min
Measuring range	0 .. 300ppm CO or 0..100ppm CO
Accuracy	+/- 10ppm for values < 70ppm +/- 15% of value for values > 70ppm
Measurement	electro-chemical measuring cell
Electric wiring	terminals 2x 0,75mm ²
Expected lifetime	< 7 year, 40% rH 20°C
Warm-up time	6 min
Ambient temperature	-30°C .. +40°C
Relative humidity	10 .. 95% rH, non condensing
Degree of protection	IP54, cable gland downwards
Dimensions w x h x d	100 x 113 x 46 mm

Dimensions



Electrical wiring

- 1 AC/DC 24 Volt
- 2 0V
- 3 CO output 0..10Vdc
- 4 CO output 4..20mA

S1 = ON : 0..300ppm CO

S2 = ON : 0..10Vdc output selected

Overview

Type	Output signal	CO range
SCO-E2-i	4..20mA or 0..10Vdc	0..300ppm or 0..100ppm