



Air Quality Transmitters

SCR Series

Living Space



SCR Series

The SCR range of CO₂ transmitters combine the option of adding a humidity transmitter into a single unit. Temperature sensing for all current platforms is available dependent on the model selected thus offering lower cost installation. Outputs are user selectable, 0 ... 10 Vdc, 0 ... 5 Vdc or 4 ... 20 mA.

The sensor is auto-calibrating using the Auto Baseline Calibration (ABC) feature and will sense CO₂ concentrations in the range 0 ... 2000 ppm with an accuracy of ±2% of measured value (at 20 °C and 101.3 kPa).

The transmitter also includes a relay that will switch at 800/1000 or 1200 ppm dependent on internal switch settings.

Replacement humidity tips are available including a 2% NIST traceable tip. If calibration is required, order the standard product and the replacement 2% tip.

Specifications

Input voltage	24 Vac/20 ... 36 Vdc
Analog output	4 ... 20 mA, 0 ... 5 Vdc or 0 ... 10 Vdc
Current draw	50 ... 170 mA (dependent on input voltage)

Part number	Model number	Wall mounted CO ₂ sensor with:			
		LED	TEMP	2% RH	System
5152400000	SCR110	x	x		TAC Vista 1.8 kΩ
5152402000	SCR110-H	x	x	x	TAC Vista 1.8 kΩ
5152420000	SCR110B		x		TAC Vista 1.8 kΩ
5152422000	SCR110B-H		x	x	TAC Vista 1.8 kΩ
5152404000	SCR210	x	x		TAC I/NET 10 kΩ T2
5152406000	SCR210-H	x	x	x	TAC I/NET 10 kΩ T2
5152424000	SCR210B		x		TAC I/NET 10 kΩ T2
5152426000	SCR210B-H		x	x	TAC I/NET 10 kΩ T2
5152408000	SCR510	x	x		Andover Continuum 10 kΩ T3
5152410000	SCR510-H	x	x	x	Andover Continuum 10 kΩ T3
5152428000	SCR510B		x		Andover Continuum 10 kΩ T3
5152430000	SCR510B-H		x	x	Andover Continuum 10 kΩ T3
5152412000	SCR610	x	x		Satchwell 10 kΩ T3 Resistor/Shunt
5152414000	SCR610-H	x	x	x	Satchwell 10 kΩ T3 Resistor/Shunt
5152432000	SCR610B		x		Satchwell 10 kΩ T3 Resistor/Shunt
5152434000	SCR610B-H		x	x	Satchwell 10 kΩ T3 Resistor/Shunt
5152416000	SCR810	x	x		I/A 10 kΩ T3 with Shunt
5152418000	SCR810-H	x	x	x	I/A 10 kΩ T3 with Shunt
5152436000	SCR810B		x		I/A 10 kΩ T3 with Shunt
5152438000	SCR810B-H		x	x	I/A 10 kΩ T3 with Shunt
5152339010	HS2NX	Replaceable RH Element, 2% NIST			
5152339000	HS2XX	Replaceable RH Element, 2%			

SCD Series

Duct



SCD Series

The SCD range of CO₂ transmitters with temperature sensing combines the option of adding a humidity transmitter into a single unit. Temperature sensing for all current platforms is available dependent on the model selected thus offering lower cost installation.

Outputs are user selectable, 0 ... 10 Vdc, 0 ... 5 Vdc or 4 ... 20 mA. The sensor is auto-calibrating using the Auto Baseline Calibration (ABC) feature and will sense CO₂ concentrations in the range 0 ... 2000 ppm with an accuracy of $\pm 2\%$ of measured value.

The transmitter also include a relay that will switch at 800/1000 or 1200 ppm dependent on internal switch settings.

Replacement humidity tips are available including a 2% NIST traceable tip. If calibration is required, order the standard product and the replacement 2% tip.

Specifications

Input voltage	24 Vac/20 ... 36 Vdc
Analog output	4 ... 20 mA, 0 ... 5 Vdc or 0 ... 10 Vdc
Current draw	40 ... 150 mA (dependent on input voltage)

Part number	Model number	Duct mounted CO ₂ sensor with:			
		Temp	2% RH	LCD	System
5152300000	SCD110	X			TAC Vista 1.8 k Ω
5152302000	SCD110-D	X		X	TAC Vista 1.8 k Ω
5152304000	SCD110-H	X	X		TAC Vista 1.8 k Ω
5152306000	SCD110-D-H	X	X	X	TAC Vista 1.8 k Ω
5152308000	SCD210	X			TAC I/NET 10 k Ω T2
5152310000	SCD210-D	X		X	TAC I/NET 10 k Ω T2
5152312000	SCD210-H	X	X		TAC I/NET 10 k Ω T2
5152314000	SCD210-D-H	X	X	X	TAC I/NET 10 k Ω T2
5152316000	SCD510	X			Andover Continuum 10 k Ω T3
5152318000	SCD510-D	X		X	Andover Continuum 10 k Ω T3
5152320000	SCD510-H	X	X		Andover Continuum 10 k Ω T3
5152322000	SCD510-D-H	X	X	X	Andover Continuum 10 k Ω T3
5152324000	SCD610	X			Satchwell 10 k Ω T3 Resistor/Shunt
5152326000	SCD610-D	X		X	Satchwell 10 k Ω T3 Resistor/Shunt
5152328000	SCD610-H	X	X		Satchwell 10 k Ω T3 Resistor/Shunt
5152330000	SCD610-D-H	X	X	X	Satchwell 10 k Ω T3 Resistor/Shunt
5152332000	SCD810	X			I/A 10 k Ω T3 with Shunt
5152334000	SCD810-D	X		X	I/A 10 k Ω T3 with Shunt
5152336000	SCD810-H	X	X		I/A 10 k Ω T3 with Shunt
5152338000	SCD810-D-H	X	X	X	I/A 10 k Ω T3 with Shunt
5152339010	HS2NX	Replaceable RH Element, 2%, NIST			
5152339000	HS2XX	Replaceable RH Element, 2%			

aSENSE Series

Living Space/Duct/Wall



aSENSE-Display

This device provides two outputs one for CO₂ (0 ... 2000 ppm), the other for temperature (0 ... 50 °C).

These outputs are configurable 0 ... 10 Vdc, 2 ... 10 Vdc or 4 ... 20 mA.

Part number	Model number	Description	Manufacturer
6559015000	045-8-0001	Sensor Living Space CO ₂ aSENSE	SenseAir
6559016000	045-8-0002	Sensor Living Space CO ₂ aSENSE-Display	SenseAir

Technical documentation from www.SenseAir.se



aSENSE m III CO & CO₂ Combi

This device measures both carbon monoxide and carbon dioxide and therefore is ideal for measuring air quality for health purposes in indoor car parks and traffic tunnels. Energy efficiency can be achieved by using the measurement(s) to vary the fan speed of the fresh air supply equipment.

Part number	Model number	Description	Manufacturer
6553064000	040-8-0066	aSENSE m III CO & CO ₂ Combi for Duct Mounting	SenseAir

Technical documentation from www.SenseAir.se



aSENSE m III CO & CO₂ Combi

A combined carbon monoxide and carbon dioxide sensor ideal for measuring air quality for health purposes in indoor car parks and traffic tunnels. Energy efficiency can be achieved by using the measurement(s) to vary the fan speed of the fresh air supply equipment.

Part number	Model number	Description	Manufacturer
6553063000	040-8-0064	aSENSE m III CO & CO ₂ Combi for Large Spaces	SenseAir

Technical documentation from www.SenseAir.se