

SCD Series

Duct



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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 ±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 kΩ |
| 5152302000 | SCD110-D | X | | X | TAC Vista 1.8 kΩ |
| 5152304000 | SCD110-H | X | X | | TAC Vista 1.8 kΩ |
| 5152306000 | SCD110-D-H | X | X | X | TAC Vista 1.8 kΩ |
| 5152308000 | SCD210 | X | | | TAC I/NET 10 kΩ T2 |
| 5152310000 | SCD210-D | X | | X | TAC I/NET 10 kΩ T2 |
| 5152312000 | SCD210-H | X | X | | TAC I/NET 10 kΩ T2 |
| 5152314000 | SCD210-D-H | X | X | X | TAC I/NET 10 kΩ T2 |
| 5152316000 | SCD510 | X | | | Andover Continuum 10 kΩ T3 |
| 5152318000 | SCD510-D | X | | X | Andover Continuum 10 kΩ T3 |
| 5152320000 | SCD510-H | X | X | | Andover Continuum 10 kΩ T3 |
| 5152322000 | SCD510-D-H | X | X | X | Andover Continuum 10 kΩ T3 |
| 5152324000 | SCD610 | X | | | Satchwell 10 kΩ T3 Resistor/Shunt |
| 5152326000 | SCD610-D | X | | X | Satchwell 10 kΩ T3 Resistor/Shunt |
| 5152328000 | SCD610-H | X | X | | Satchwell 10 kΩ T3 Resistor/Shunt |
| 5152330000 | SCD610-D-H | X | X | X | Satchwell 10 kΩ T3 Resistor/Shunt |
| 5152332000 | SCD810 | X | | | I/A 10 kΩ T3 with Shunt |
| 5152334000 | SCD810-D | X | | X | I/A 10 kΩ T3 with Shunt |
| 5152336000 | SCD810-H | X | X | | I/A 10 kΩ T3 with Shunt |
| 5152338000 | SCD810-D-H | X | X | X | I/A 10 kΩ T3 with Shunt |
| 5152339010 | HS2NX | Replaceable RH Element, 2%, NIST | | | |
| 5152339000 | HS2XX | Replaceable RH Element, 2% | | | |