# Consilium ST350EX-NDIR CO2 (R744) Gas Detector (1226035)

| Product reference | |
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| Part No. | 1226035 |
| Manufacturer | Consilium |
| Model | ST350EX-NDIR |




## Key product facts

01 · Sensor type
NDIR infrared

02 · Gas type
CO2 (R744)

03 · Power supply
18-30 VDC (max. 120 mA)

04 · Ingress protection
IP 66 (Sensor IP 6x)

## Product overview

ST350EX-NDIR NDIR infrared gas detector for CO2 (R744) detection over 0-100 Vol.%. The manufacturer describes the ST350EX as an all-round gas detector and states that infrared sensors (NDIR) are available for CO2 (R744) or N2O. Manufacturer-listed system references: CGD50, CGD500 TOUCH. Manufacturer wiring diagrams show 3-wire 4-20 mA transmitter operation, Modbus RTU slave operation, and combined 3-wire 4-20 mA plus Modbus operation; they do not establish site-specific installation requirements. The manufacturer ordering table identifies the gas and detection range for this international part number. The page 2 ordering example, family photograph and wiring diagrams do not establish the supplied configuration. Before ordering, confirm gas, range, calibration, complete ordering configuration, system compatibility, installation requirements, supplied items and included components, and stock.

## Technical specifications

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| Detector type | ST350EX-NDIR | Digital output | RS485 Modbus RTU (half-duplex) |
| Sensor type | NDIR infrared | Operating temperature | -20 to +50 °C (NDIR) |
| Gas type | CO2 (R744) | Relative humidity | 15-95 % (non-condensing) |
| Detection range | 0-100 Vol.% | Pressure range | 700 to 1300 hPa |
| Power supply | 18-30 VDC (max. 120 mA) | Ingress protection | IP 66 (Sensor IP 6x) |
| Analogue output | 4-20 mA (2 mA system failure, >20 mA overrange) | Gas sensor enclosure | SS 316 |