Consilium ST350EX-NDIR N2O Gas Detector (1227090)

Product reference	
Part No.	1227090
Manufacturer	Consilium
Model	ST350EX-NDIR



Key product facts

01 · Sensor type
NDIR infrared

02 · Gas type
N2O

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 N2O detection over 0-1000 ppm. 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

Detector type	ST350EX-NDIR	Digital output	RS485 Modbus RTU (half-duplex)
Sensor type	NDIR infrared	Operating temperature	-20 to +50 °C (NDIR)
Gas type	N2O	Relative humidity	15-95 % (non-condensing)
Detection range	0-1000 ppm	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