Consilium ST350EX-SCF R1234yf Gas Detector (1227054)

Product reference	
Part No.	1227054
Manufacturer	Consilium
Model	ST350EX-SCF



Key product facts

01 · Sensor type
SemiConductor sensor (MOS) type SCF

02 · Gas type
R1234yf

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

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

Product overview

ST350EX-SCF semiconductor MOS gas detector for R1234yf detection over 0-1000 ppm. The manufacturer describes the ST350EX as an all-round gas detector and states that the SCF sensor is suitable for detecting synthetic refrigerants including HFO and HFC types. 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, optional LCD display, remote/aluminium/stainless options 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-SCF	Digital output	RS485 Modbus RTU (half-duplex)
Sensor type	SemiConductor sensor (MOS) type SCF	Operating temperature	-10 to +50 °C (SCF)
Gas type	R1234yf	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