Consilium ST650EX-CAT 3N Hydrogen Gas Detector (1226111/0)

Product reference	
Part No.	1226111/0
Manufacturer	Consilium
Model	ST650EX-CAT 3N



Key product facts

01 · Sensor type
Catalytic

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

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

04 · Operating temperature
-20°C to +60°C (CAT)

Product overview

ST650EX-CAT 3N catalytic bead gas detector for hydrogen detection over 0–100 %LEL H2. The manufacturer describes this family as an all-round gas detector for combustible gases and vapours, with analogue 4-20 mA output. Manufacturer-listed system references: CGD50, CGD500 TOUCH. Catalytic bead sensors are not suitable for areas with reduced oxygen and for environments containing silicones or leaded vapours. Catalytic bead sensors are not suitable for areas with reduced oxygen and for environments containing silicones or leaded vapours. The family photograph, optional LCD display, remote-sensor configurations and aluminium/stainless steel options do not establish the configuration supplied with this SKU. Before ordering, confirm system compatibility, installation requirements, supplied items and included components.

Technical specifications

Detector type	ST650EX-CAT 3N	Digital output	RS485 Modbus RTU (half-duplex)
Sensor type	Catalytic	Operating temperature	-20°C to +60°C (CAT)
Application	Hydrogen	Relative humidity	15-95 % (non-condensing) (Catalytic)
Detection range	0–100 %LEL H2	Pressure range	700 to 1300 hPa (Catalytic)
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