



**Sensepoint XCD
Gas Detector**

14 General specification

Sensepoint XCD Transmitter.	
Use	3-wire, 4-20mA, gas detector transmitter for use with directly installed flammable and toxic gas sensors. For the protection of personnel and plant from flammable and toxic gas hazards.
Electrical	
	Input Voltage Range: 16 to 32Vdc (24Vdc nominal) for ATEX/IECEX/AP Versions 12 to 32Vdc (24Vdc nominal) for UL/CSA version Max Power Consumption: Max 5 Watts. at 24Vdc (see section 2 regarding maximum in rush current) Current output: 4-20mA (Source or Sink) ≥0.0<1.0 mA: Fault (refer to table 5 section 12.3 for further details). 4.0 mA to 20.0 mA: Normal gas measurement 2.0 mA or 4.0 mA (17.4 mA): Inhibit (during configuration/user settings) 22.0 mA: Maximum over range Max load resistance: 250 Ω Terminals: 15 x screw terminals suitable for wire diameter 0.5mm ² to 2.5mm ² (20AWG to 13AWG). Relays: 3 x 5A@250VAC. Selectable normally open or normally closed (switch) and energized/de-energized (programmable). Communication: RS485, Modbus RTU
Construction	
Material	Epoxy painted aluminium alloy or 316 Stainless Steel
Weight	Aluminium alloy: 1.7kg, 316 Stainless Steel: 3.7kg
Mounting	Pole or wall mounting
Entries	2 x M20 (for ATEX/IECEX/AP Approval) or 2x3/4NPT (for UL Approval)
Certification	
China	GB Ex d IIC T4 GB3836.1&2 -2000, PA, (CCCF)
Korea	KTL Ex d IIC T6 (-40°C to +65°C)
US	UL - Class I, Division 1, Groups B, C and D, Class I, Division 2, Groups B, C & D, Class II, Division, Groups E, F & G, Class II, Division 2, Groups F & G. -40°C to+65°C
European	ATEX  II 2 GD Ex d IIC Gb T6(Ta -40°C to +65°C) T5 (Ta -40°C to +75°C) Ex tb IIIC T85°C Db IP66 T100°C (Ta -40°C to +75°C)
International	IEC Ex II 2 GD Ex d IIC Gb T6(Ta -40°C to +65°C) T5 (Ta -40°C to +75°C) Ex tb IIIC T85°C Db IP66 T100°C (Ta -40°C to +75°C)
Performance	EN50271, EN60079-29-1 (Flammable), EN50104 (Oxygen), EN45544 (Toxic)
Marine	MED (O ₂ , FL-CAT, FL-IR), ABS (FL-CAT, FL-IR, H ₂ S), CCS (O ₂ , FL, Toxic), BV(H ₂ S)
CE	EN50270:2006 EN6100-6-4:2007
Environmental	
IP Rating	IP66 in accordance with EN60529:1992
Operating Temperature	-40°C to +75°C/ -40°F to +167°F <small>Note: The detector display may become illegible at temperatures below -40°C, but the detector continues its gas monitoring function. The display is not damaged and recovers when the temperature rises back above -20 °C.</small>
Operating Humidity	Continuous 20-90%RH (non condensing), Intermittent 10-99%RH (non condensing)
Operating Pressure	90-110kPa (EC Toxic Sensors), 80-120kPa (EC Oxygen, Catalytic Bead and Infrared Sensors)
Storage Conditions (detector and accessories)	-25°C to +65°C (-13°F to +149°F)