

SensAlert Transmitters

Features common to all SensAlert Transmitters

- Automatic sensor recognition and configuration, microprocessor based, with nonvolatile memory
- Plug-in intelligent sensors, temperature compensated with nonvolatile memory
- Two-line alphanumeric LCD display [Gas Name, Gas Value, & Measuring Units]
- Available sampling methods: Diffusion, Sample Draw, and Duct Mount
- Indoor or outdoor service locations
- Two year warranty from date of shipment

Transmitter Specifications

Transmitter types →	4-20 mA NEMA 4X	4-20 mA HD	4-20 mA XP	RS-485 NEMA 4X	RS-485 HD	RS-485 XP	Infrared (IR)
GENERAL							
Sensor Types Accepted	Electrochemical, Cat Bead (3-wire only)	Electrochemical, Cat Bead (3-wire only)	Electrochemical, Cat Bead (3-wire only)	Electrochemical, Catalytic Bead	Electrochemical, Catalytic Bead	Electrochemical, Catalytic Bead	Infrared
Enclosure Material	Polycarbonate	Cast Aluminum (Copper-free)	Cast Aluminum (Copper-free)	Polycarbonate	Cast Aluminum (Copper-free)	Cast Aluminum (Copper-free)	Cast Aluminum (Copper-free)
Dimensions	5.3 (W) x 9.3 (H) x 3.3 (D) Inches [13.5 (W) x 23.5 (H) x 8.5 (D) cm]	6.1 (W) x 10.1 (H) x 4.9 (D) Inches [15.5 (W) x 25.6 (H) x 12.4 (D) cm]	6.1 (W) x 9.0 (H) x 4.9 (D) Inches [15.5 (W) x 22.9 (H) x 12.4 (D) cm]	5.3 (W) x 9.3 (H) x 3.3 (D) Inches [13.5 (W) x 23.5 (H) x 8.5 (D) cm]	6.1 (W) x 10.1 (H) x 4.9 (D) Inches [15.5 (W) x 25.6 (H) x 12.4 (D) cm]	6.1 (W) x 9.0 (H) x 4.9 (D) Inches [15.5 (W) x 22.9 (H) x 12.4 (D) cm]	6.1 (W) x 9.0 (H) x 4.9 (D) Inches [15.5 (W) x 22.9 (H) x 12.4 (D) cm]
Weight	1.9 lbs. (0.8 kg)	4.2 lbs. (1.9 kg)	4.9 lbs. (2.2 kg)	1.9 lbs. (0.8 kg)	4.2 lbs. (1.9 kg)	4.9 lbs. (2.2 kg)	4.9 lbs. (2.2 kg)
ENVIRONMENTAL							
Temperature	-22° to 131°F (-30° to 55°C)	-22° to 131°F (-30° to 55°C)	-22° to 131°F (-30° to 55°C)	-22° to 131°F (-30° to 55°C)	-22° to 131°F (-30° to 55°C)	-22° to 131°F (-30° to 55°C)	-30° to 130°F (-35° to 55°C)
Humidity	0-95 %RH, non-condensing	0-95 %RH, non-condensing	0-95 %RH, non-condensing	0-95 %RH, non-condensing	0-95 %RH, non-condensing	0-95 %RH, non-condensing	5-95 %RH, non-condensing
ELECTRICAL							
Input	2- or 3-wire	2- or 3-wire	2- or 3-wire	3-wire	3-wire	3-wire	3-wire
Power (with Relay)	18-30 VDC, 60-300 mA	18-30 VDC, 60-300 mA	18-30 VDC, 60-300 mA	18-30 VDC, 60-300 mA	18-30 VDC, 60-300 mA	18-30 VDC, 60-300 mA	18-30 VDC, 60-150 mA
Power (w/o Relay)	15-30 VDC, 20-115 mA	15-30 VDC, 20-115 mA	15-30 VDC, 20-115 mA	na	na	na	na
Output	4-20 mA (600Ω)	4-20 mA (600Ω)	4-20 mA (600Ω)	RS-485, 4-20 mA (600Ω)	RS-485, 4-20 mA (600Ω)	RS-485, 4-20 mA (600Ω)	4-20 mA (600Ω)
Relay	Optional (1) SPDT, 5 amp, 230 VAC or 24 VDC	Optional (1) SPDT, 5 amp, 230 VAC or 24 VDC	Optional (1) SPDT, 5 amp, 230 VAC or 24 VDC	(3) SPDT, 5 amp, 230 VAC or 24 VDC	(3) SPDT, 5 amp, 230 VAC or 24 VDC	(3) SPDT, 5 amp, 230 VAC or 24 VDC	(1) SPDT, 5 amp, 230 VAC or 24 VDC
APPROVALS							
CE Mark	Yes	Yes	Yes	Yes	Yes	Yes	Yes
EMI/RFI Certification	EN 50082-1 / IEC 801-2, 801-3, & 801-4	EN 50082-1 / IEC 801-2, 801-3, & 801-4	EN 50082-1 / IEC 801-2, 801-3, & 801-4	EN 50082-1 / IEC 801-2, 801-3, & 801-4	EN 50082-1 / IEC 801-2, 801-3, & 801-4	EN 50082-1 / IEC 801-2, 801-3, & 801-4	EN 50082-1 / IEC 801-2, 801-3, & 801-4
Hazard Classifications		UL, Class I, Division 2, Groups A, B, C, & D. [HD Div 2 model]	UL, Class I, Division 1, Groups B, C, & D		UL, Class I, Division 2, Groups A, B, C, & D. [HD Div 2 model]	UL, Class I, Division 1, Groups B, C, & D	UL, Class I, Division 1, Groups B, C, & D; Class II, Groups E, F, & G
Intrinsic Safety [when used with Sensidyne Barrier]	Class I, Div 1, Groups A, B, C, & D,	Class I, Div 1, Groups A, B, C, & D. [HD IS model]		Class I, Div 1, Groups A, B, C, & D,	Class I, Div 1, Groups A, B, C, & D. [HD IS model]		