

# ConneX1

## ConneX1 Wireless Single Gas Detector

INSTRUMENT SPECIFICATIONS	
SIZE	4.5 x 2.95 x 1.44 in / 11.4 x 7.5 x 3.65 cm
WEIGHT	0.33 lb / 0.15 kg
OPERATING TEMPERATURE	4°F to +122°F / -20°C to +50°C (normal operation)
STORAGE TEMPERATURE	-40°F to +140°F / -40°C to +60°C
HUMIDITY (NON-CONDENSING)	20 to 90% relative humidity continuous; 0 to 95% relative humidity intermittent
ALARMS	Visual, Vibrating, Audible (95 dB), Low, High, STEL, TWA
TYPICAL BATTERY LIFE	2 years
BATTERY RUN TIME	14 hours
BATTERY RECHARGE TIME	5 hours
DISPLAY	Monochrome display 1.73 in W x 1.29 in H / 44 mm W x 33 mm H with 2 color back light modes
RATINGS EMI/RFI	NA: FCC & Industry Canada EU: Complies with EMC Directive and R&TTE Directive
CERTIFICATIONS AND APPROVALS	cCSAus: Class I, Div. 1, Gr. A, B, C, D T4 NA: AEx ia IIC T4 North America: FCC Title 47 Part 15 Class B Subpart C Intentional Radiator, Industry Canada RSS-210  ATEX: II 1 G Ex ia IIC T4 Ga IECEX: Ex ia IIC T4 Ga CE: European Conformity
WARRANTY	Full two year warranty on detector and sensors
CONNECTOR	IR
ANTENNA	Single
DATA RATES	802.11b: Up to 11 Mbps 802.11g: Up to 54 Mbps
RF OUTPUT POWER	802.11b: +18 dBm 802.11g: +18 dBm
RF RECEIVE SENSITIVITY	802.11b: -85 dBm @ 1Mbps 802.11g: -85 dBm @ 1Mbps
FREQUENCY BAND	2.400 to 2.4835 GHz (US, Canada, EMEA)
CHANNELS	USA/Canada: 14 channels
SECURITY PROTOCOLS	WPA2 PSK
SENSOR	
MEASURING RANGE	
OXYGEN (O <sub>2</sub> )	0 to 25% by volume
HYDROGEN SULFIDE (H <sub>2</sub> S)	0 to 200 ppm
CARBON MONOXIDE (CO)	0 to 500 ppm
SULFUR DIOXIDE (SO <sub>2</sub> )	0 to 50 ppm



**For more information**

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