OI-6000 GEN II

GAS DETECTOR SENSOR

SPECIFICATIONS

SPECIFICATIONS

Wired Power:
12-35 VDC

Current Draw:
250mA; varies per configuration

Unit Address:
1-52 networks (1-78 for 2.4 GHz);
(WF Only) 1-255 addresses per network

Output:
4-20mA (3-wire); RS-485 Modbus

Display:
Graphical LCD, sunlight readable (transflective), LED back-light

Certification:
CSA: Class I, Div I, Groups C and D T6 Ex d IIB, Zone 1 Aex d IIb T6
ATEX: II 2 (1) GEx d mb [ia] IIB T6

Enclosure: Otis-blue explosion/flame-proof

Warranty: Hardware: One year (limited)

Sensor: One year (varies with sensor type)

OPTIONS

Sensor Type:
Electrochemical, Catalytic Bead, Infrared, or PID

Gases:
H2S, O2, SO2, Cl2, H2, NH3, CO, LEL (Hydrocarbons), CO2, etc.

Relays:
Two Dry-Contact with 4 Amp Fuses

Radio Type:
2.4 GHz ISM, 100 mW or 900 MHZ 200mW

TEMPERATURE RANGES

Electrochemical:

CO: -20C to +50C (NEMOTO)
NH3: -30C to +50C (NEMOTO)
HCl: -20C to +40C (CITYTECH)
O2: -30C to +55C (ALPHASENSE)
H2: -20C to +40C (CITYTECH)
H2S: -20C to +50C (NEMOTO)
Cl2: -20C to +40C (CITYTECH)
HCN: -20C to +40C (CITYTECH)
SO2: -20 C to +50C (CITYTECH)
HF: -20 C to +40C (CITYTECH)

Catalytic Bead:
Gen II: -20 C to +150 C (NEMOTO)

Infrared:
IR: -20 C to +150 C (DYNAMENT)
IRLT: -40 C to +50 C (DYNAMENT)

CSA & ATEX Certified

The Otis Instruments, Inc. Gen II WireFree OI-6000 ambient air gas sensor assembly is a WireFree gas sensor assembly that uses an Electrochemical, Catalytic Bead, PID, or Infrared sensor element to detect a variety of gases.

The device comes standard with a 102 x 64 graphical LCD screen, Otis Instruments standard three-button interface, Otis-blue custom explosion proof enclosure, non-intrusive magnetic switches, and radio (900 MHz or 2.4 GHz).

FEATURES AND BENEFITS

- Non-intrusive calibration with MENU, ADD and SUB.
- Glass lid for viewing amplifier display.
- Explosion and weather proof custom Otis-blue enclosure
- Rapid response and clearing time.
- Rain splashguard for sensor protection.

OI-6000 GEN II SENSOR ASSEMBLY DRAWING

www.otisinstruments.com • Phone: 979.776.7700 • Fax: 979.776.7719