

BGD-6033-WP

Actual image and size may slightly differ

FEATURES

- Easy Programming with Password Protection.
- Fast Response, Easy to Read Display.
- Reverse Polarity Protection for Battery connection.
- No Additional Power Required.
- Highly Reliable, Fast, Accurate for Specific Gas Detection.
- Excellent Long Term Stability.
- User Friendly, Simple to Operate & Easy to Install.
- Reduced Operating, Maintenance and Installation Cost, One Man Calibration.
- Sensor Open/ Over Range Indication.

APPLICATIONS

- Gas Metering skid
- Gas Cylinder Bank
- Oil & Gas Industries
- Gas Pipeline Project
- Refineries
- Cold Storage
- Sewage Plants
- Fertilizers Plants
- Stack Monitoring
- Chlorination Plant
- Ambient Monitoring
- Gas Metering Station Burner / Furnace Areas
- Chemical Processing Plant
- Acid Alkalize & Dyes mfg. Plants
- Offshore Drilling & Processing Platform
- Heat Treatment Plants
- Chemical Storage Area
- Control Atmosphere
- Power & Industrial Plants
- Coal Mine and Confined Area
- Chemical & Petrochemical Plants
- Automotive Industrial/Paints Shops
- Pulp & Paper Plants
- Bullets Yards / Storage Yard

TECHNICAL SPECIFICATIONS

General

Sensors	: Electrochemical Sensor/NDIR
Range/Resolution	: As specified in the Table
Detection	: Diffusion
Method	
Response Time	: Less than 10sec.
Display	: 2 Line, 4-Digit Segmental LCD Display
Set Point	: Two independent set point, with alarm symbol for indication purpose.(There is no relay output)
Setting	: By using Front Keys for Weatherproof Model.

Electrical

Electrical:	: <ul style="list-style-type: none"> ▪ 3.7 Lithium-Ion Rechargeable Battery ▪ 1 year back-up
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Error monitoring

- During Sensor break/ open, Display shows 'OPEN'.
- During Over Range, Display shows 'OVER'.

Environmental

Operating Temp.	: -15 to +55°C
Storage Temp.	: -10 to +60°C

Optional Accessories

- Gas sampling & conditioning system
- Canopy & Mounting stand

Weatherproof Housing

Protection class	: IP-65
Cabinet material	: Polycarbonate ,Grey Colour
Dimension	: 166mm(H) with sensor holder ×80mm mm(W) ×55 mm(D)
Mounting	: Wall Mounting/ Stand Mounting
Weight	: Approximately 500 grams.

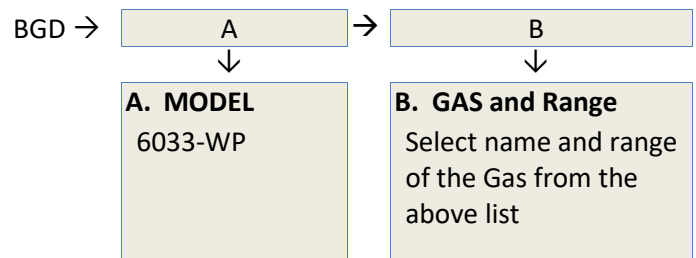
ELECTROCHEMICAL SENSOR TECHNOLOGY

SR. NO	GASES	RANGE	UNIT	RES.
O1	Oxygen (O ₂)	25	% Vol.	0.01
NT1	Nitrogen (N ₂)	75 TO 100	% Vol.	0.1
TOXIC GASES				
T1	Ammonia (NH ₃)	100	PPM	1
T2	Ammonia (NH ₃)	1000	PPM	1
T3	Bromine (Br ₂)	10	PPM	0.01
T4	Carbon Monoxide (CO)	1000	PPM	1
T5	Carbon Monoxide (CO)	2000	PPM	1
T6	Chlorine (CL ₂)	10	PPM	0.01
T7	Ethylene Oxide(ETO)	100	PPM	1
T8	Hydrogen (H ₂)	2000	PPM	1
T9	Hydrogen Bromide (HBr)	100	PPM	1
T10	Hydrogen Chloride (HCL)	100	PPM	1
T11	Hydrogen Cyanide(HCN)	100	PPM	1
T12	Hydrogen Fluoride (HF)	10	PPM	0.01
T13	Hydrogen Fluoride (HF)	100	PPM	1
T14	Hydrogen Sulfide (H ₂ S)	100	PPM	1
T15	Ozone (O ₃)	20	PPM	0.01
T16	Phosphine (PH ₃)	10	PPM	0.01
T17	Nitrogen Dioxide (NO ₂)	20	PPM	0.01
T18	Nitric Oxide(NO)	250	PPM	1
T19	Sulfur Dioxide (SO ₂)	50	PPM	0.1
T20	Sulfur Dioxide (SO ₂)	2000	PPM	1
NDIR SENSOR TECHNOLOGY				
N4	Methane (CH ₄)	100	%LEL	1

NOTE:

- In above Table, Range of gases start from zero.
- **Gases which are not listed, are available on request & for other details contact factory.**

ORDERING INFORMATION



NOTE: Select order code e.g. BGD-6033-WP-T6 i.e. BGD-6033 – Weatherproof Enclosure – Chlorine 10 PPM

Specifications subject to change without any prior notice.

Manufactured by :



AMBETRONICS ENGINEERS PVT. LTD.

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Dealers:

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