Vasthi Multi Gas monitor/Analyzer with alarm and Graphical Display.

It specially designed to analyze any gas of your choice, its automatic operation, accurate measurement and crystal clear digital display makes this design more users friendly. More over its acts effectively in on site instant analysis. Its portability makes it more comfortable for user it was designed in such a way it provides all immediate necessary data that is required to analyze any type of gas in no time, its computer interface stores key data that can be analyzed in the laboratory.

Vasthi Multi Gas detectors

Individually we can provide gas detectors for the following gases

- **OXYGEN**
- **COMBUSTIBLE GASES**
- **LPG**
- **HEXANE**
- **HYDROGEN**
- **CARBON MONOXIDE**
- **HYDROGEN SULPHIDE**
- **CHLORINE**
- **SULPHUR DIOXIDE**
- **AMMONIA**
- **HYDROGENCHLORIDE**
- **HYDROGEN CYNIDE**
- **NITRIC OXIDE**
- **NITROGEN DIOXIDE**
- **ETHYLENE**
- **OXIDE**
- **PHOSPHINE**
- **PHOSGENE**
- **OZONE**
- **AND MANY MORE**

The above mentioned Gas detectors can be used to detect combustible, flammable and toxic gases as well as oxygen depletion. This type of device is used widely in industry and can found in a variety of locations such as on oil rigs, to monitor manufacture processes and emerging technologies such as photovoltaic.

A Compact Rugged & Intelligent Instrument for...

- AMBIENT MONITORING
- PROCESS OR EMISSION GAS ANALYSIS
- PRE - ENTRY CHECK
- FUEL COMBUSTION OPTIMIZATION
- QUALITY CONTROL

Vasthi Multi Gas Monitor / Analyzer Futures

- COMPLETE AUTOMATIC OPERATION
- SELF DIAGNOSTIC CHECK
- PROVEN SENSOR TECHNOLOGY
- ACCOMMODATE UPTO FOUR SENSORS
- CONTINUOUS, STABLE ALPHANUMERIC DISPLAY
- DIFFUSION OR SUCTION SAMPLING
- LONG LIFE RECHARGEABLE BATTERIES
- DATA LOGGING AND RS 232 OUTPUT CAPABLITY INTRINSICALLY SAFE

Services by Vasthi: -

- Evaluation
- Custom Designs
- Calibration & Certification
- Repair
- Plant visiting

Special Futures of Vasthi Gas Monitors / Analyzers: -

- Microprocessor based portable battery operated instrument.
- Digital Graphical Display Measuring ranges available on client requirement.
- Handy and light weight.
- Inbuilt sensor.
- Optional RS - 232 computer interface & data logger.

Additional Features (OPTIONAL)

- Computer Interface: RS-232
- Data Logger: 1 Megabyte, Non-Volatile Memory
- In- built Pump: For Auto Suction

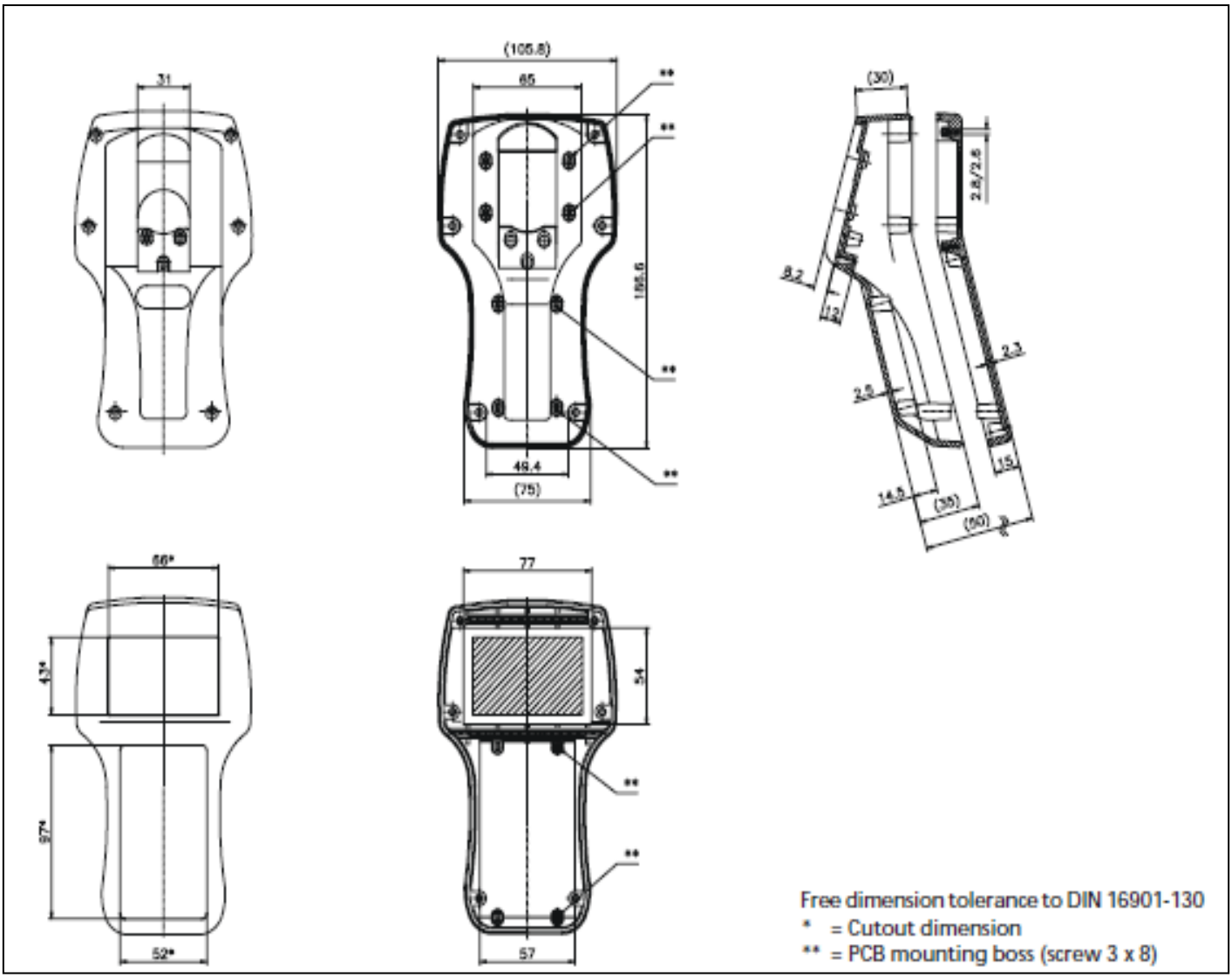
Few Gases & Its parameters

S. No	Parameter	Sensor	Range	Resolution	Accuracy
01	O2	Electrochemical	0-25% /100%	0.1%	0.5%
02	CO	Electrochemical	0-500/4000PPM	1 PPM	+/- 2%
03	CO(B)	Electrochemical	0-10%	0.01%	+/- 2%
04	Co2	TCD/Electrochemical	0-100%	0.1 %	+/-1 %
05	NO	Electrochemical	10/1000 PPM	1 PPM	+/- 2%
06	NO x	Electrochemical	0-1999 PPM	1 PPM +/-	+/- 2%
07	NO2	Electrochemical	20/200 PPM	1 PPM	+/- 2%
08	SO2	Electrochemical	0-20/2000 PPM	1 PPM	+/- 2%
09	Hydrocarbons	Catalytic	0-100 % LEL	1 %	+/- 2%
10	Humidity	Capacitive	0 - 100%	0.1%	0.1%
11	H2S	Electrochemical	0 - 50 / 500PPM	1PPM	+/- 2%
12	Temp.	Tc	0-1000 Deg. C	1Deg. C	1Deg. C
13	Cl2	Electrochemical	0 - 5/500PPM	0.1/1	+/- 2%
14	NH3	Electrochemical	0 - 100PPM	1 PPM	+/- 2%

Applications

- Chemical
- Food & **Beverage**
- **Aviation**
- **Automotive**
- **Insecticide**
- **Oil & Gas**
- **Power Generation**
- **Pulp & Paper**
- **Semiconductor**
- **Steel**
- **Personal Safety**
- **Water & Wastewater**
- Military
- Aerospace
- Environmental
- Ozone Generation
- Heat Treating

GA DRAWING


31
(105.8)
65
**
**
195.6
**
49.4
(75)
**
(30)
2.8/2.6
8.2
12
2.3
2.5
15
14.5
(35)
(50)
66*
43*
97*
52*
77
54
**
**
57
Free dimension tolerance to DIN 16901-130
* = Cutout dimension
** = PCB mounting boss (screw 3 x 8)

Specifications

Sensor Principle	: As per the required gas
Display	: 128 X 64 Pixels Graphical LCD
Response Time	: <10 seconds at 95% variant
Working Temperature	: - 5 Deg. C to 55 Deg. C
Storage Temperature	: - 20 Deg. C to 45 Deg.C
Accessories	: Battery charger, operation manual
Sampling	: Diffusion (D), Suction (S)
Power	: Single cell lithium ion Battery with In-built charge control
Weight	: 445 grams (approx.)
Dimensions	: Refer to GA Drawing
Temperature Range	: 0 – 55 Deg. C.
Warranty	: One year
Degree of Protection	: IP - 65

Above all it is easy to operate, just on pressing the start button the entries system jumps in to operation mode and starts collecting requisite date for the particular gas you have opted for, only job of the operator was to chalk down the display readings for analysis. Your operators in the field work in areas that may contain flammable or toxic gases or where oxygen levels may be low. They may be exposed to several types of hazards at any time. And, when they are threatened by explosion or poisoning, exposure for prolonged periods constitutes treacherous risk.

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