

Personal Alcohol Monitor

Breath Analyzer Model : GA - 101



Protects **Personnel, Plant & Assets**

LED Display for exact accuracy, 3 seconds test time, Semiconductor fuel cell sensor, fast warm-up time of 20 seconds, self calibration, and battery operated



HIGHLY RELIABLE, ACCURATE AND QUICK PERSONAL ALCOHOL BREATH ANALYZER

TECHNOLOGY

The personal Alcohol monitor GA-101 determines your breath alcohol content (BrAC) simply by blowing into the digital alcohol breath tester, breath sample is automatically collected and your breath alcohol concentration is displayed in seconds. The instrument displays your breath alcohol concentration (BrAC) within the range of 0.00% to 0.40 % BrAC. The LED screen lights for easy reading at night and warns you with beeps and displays readings on screen, when your BrAC test positive. The compact lightweight hand-held device runs on one 9V battery (included) packaged with five mouthpiece has its own sleek leather carry case.

DOSE - SPECIFIC EFFECTS OF ALCOHOL INTOXICATION

1 % Blood Alcohol Concentration (BAC) = 43.75 mg/100 ml Breath Alcohol Concentration (BrAC)

Percent BAC	Stage	Clinical symptoms	Percent BAC	Stage	Clinical symptoms
0.01 - 0.05	Subclinical	Normal to ordinary	0.01 - 0.05	Confusion	Mental confusion
0.03 - 0.12	Euphoria	Mild Euphoria, talkative	0.03 - 0.12	Stupor	Inability to stand
0.90 - 0.25	Excitement	Excitement, emotional	0.90 - 0.25	Coma	Unconsciousness, death

SPECIAL FEATURES

- One button operation, low battery indicator
- 4 x Extended mouthpieces
- Stylish and handy hard case with carrying strap
- High quality semiconductor sensor
- Comes with AC adapter, visual & audible alarm
- Short warm-up, response & recovery time
- Deep lung sampling
- Ultra bright LED display, long lasting sensors

APPLICATIONS

- Measure the alcohol content of the breath sample deep in the lungs
- RTOs (Transportation departments)
- Coast guard, marine, military etc
- Other law enforcement agencies, like Police etc.
- Medical, educational institutions

HNL Systems Pvt. Ltd.

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SPECIFICATIONS

Type	Portable
Detectable parameters	BrAC
Electronics / processor	Micro-controller
Power supply	9 V DC
Display	Three digits digital LED Display
Output	Alcohol concentration reading
Sensor technology	Highly selective semi-conductive oxide alcohol sensor
Resolution	0.01 mg/ml
Range	0.00 - 0.40 % BAC and 0.00 - 2.00 mg/liter BrAC
Accuracy	± 0.01 % at 0.10 BAC ± 0.05 mg/liter at 0.50 mg/lit BrAC
Response time	3 seconds
Operating temperature	0 - 55 °C
Input	Direct insertion
Housing	Shock resistant, moulded plastic
Accessories	Tester, 5 nos. of mouthpieces, user manual, carry case
Size	12 x 60 x 25 mm
Weight	200 gms
Warm-up time	20 seconds
Recovery time	30 seconds (sensor purge)
Calibration interval	Every 6 - 12 months
Blowing time	5 seconds
Resolution	0.01% BAC

Note : Specifications and Features will vary with application. There may be changes overtime due to continuous development process.
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