

UNIPHOS-395

BREATH ALCOHOL ANALYSER

UNIPHOS-395



The Uniphos - 395 Breath Alcohol Analyser is a microprocessor based hand-held instrument, which measures the blood alcohol content in a person who has consumed alcohol. It is done by measuring the breath alcohol content & relating it to the blood alcohol content.

FEATURES

- Advanced micro-processor based technology
- Detects breath alcohol level between 0 to 500 mg/100ml of Blood or 0.000 to 0.500 BAC
- Handy, accurate and easy to use
- On-board memory, stores up to 3000 test results along with time and date.
- Computer and printer interface

USER PROFILE

- Traffic Police
- Workplace
- Hospitals
- Railways
- Bars & Restaurants



United Phosphorus Limited

BREATH ALCOHOL ANALYSER

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SPECIFICATIONS

Sensor: Fuel cell Technology or Solid state

Range: 0 - 500 mg/100ml of Blood or 0 - 0.5 BAC

Accuracy: +/- 5 mg/ 100 ml at 100mg/100ml or
+/- 0.005 BAC at 0.100 BAC

Response time: Less than 10 sec.

Breath sample: Moderate and continuous blow in the
mouthpiece for 5 seconds.

Measurement:

- 1) Preliminary check - blow over the sensor for 5 sec
without mouthpiece.
- 2) Quantitative check- blow through the mouthpiece for
5-7 sec.

Operating temp.: -10^o to 50^o C

Display: LCD display with backlight.

Alert set point:

- 1) Two alarm set points viz. Positive / Negative, which
are user settable
- 2) Factory setting
NEGATIVE: <50 mg/100ml
POSITIVE: >50mg/100ml

State of the art: Micro-controller based

Features: Auto Zero, Peak Latching, System Check,
Battery Check, Data Logging, RTC, Printer, PC Interface.

Checking:

Without mouthpiece: Preliminary checking for presence
or absence of alcohol by blowing over the sensor.

With mouthpiece: Checking for accurate blood alcohol
content with provision to save data.

Data Storage: Can store up to 3000 data with date, time
and test results.

Interface: Serial interface to the printer or a PC for data
transfer.

Downloading: Data can be downloaded to the printer or on
the computer through Rs232 port.

Power supply: 4.8 V 1200mAh Ni-MH rechargeable
battery pack.

Size: Height = 168mm
Width = 95mm
Depth = 30mm

Weight: 300 grams

Mouthpiece: Round shape with sputum trap.

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The UNIPHOS-395 Breath Alcohol Analyser is an accurate,
hand-held, highly sensitive, scientific breath analysis
instrument employing the most advanced microprocessor
based technology for rapid determination of blood alcohol
content. The test results are instantaneously shown on an
LCD display.

The UNIPHOS-395 is economical and accurate way for
authorities to check whether the blood alcohol content is
below or above the legal limits. Easy and convenient to
use, the UNIPHOS-395 incorporates many user-friendly
features. On switching on, the microprocessor based
instrument conducts a self-test to check the functioning of
the analyser. The internal memory of the instrument can
store up to 3000 test results. The data can be downloaded
to a computer or to a portable printer. The UNIPHOS-395
Breath Alcohol Analyser has been tested by ERTL
(Government of India) for conformity to their accuracy
specifications.



Due to continuing development we reserve the right to change specifications without prior notice.



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