



**BREATH ALCOHOL ANALYSER
UNIPHOS-395**

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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 and relating it to the blood alcohol content.

When the breath sample is delivered, the software checks the moderate blow of breath sample continuously for 5 seconds and then the instrument draws approximately 200 µl of breath into fuel cell by means of a pump in 200 milliseconds.

USER PROFILE

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

▶ FEATURES

- Advanced micro-controller based technology
- Active/passive sampling with fast response
- Detects breath alcohol level between 0 to 500 mg/100ml of Blood or 0.000 to 0.500 BAC
- In-built memory stores upto 3000 test results along with time and date
- Wired/wireless Connectivity



BREATH ALCOHOL ANALYSER

▶ SPECIFICATIONS

Sensor: Fuel cell Technology

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 seconds.

Resolution: 1mg/100 ml of blood or 0.001 BAC

Breath sample:

1) **Active Sampling:** Automatic sampling via inbuilt sampling pump by actively blowing through specially designed blowpipe for a period of 5-7 sec. Inbuilt pressure sensor ensures deep lung sample of subject.

2) **Passive Sampling:** Manual sampling by Blowing over the sensor or exposing the sensor to breath of involuntary subject without using the mouthpiece.

Alarm set point:

1) An alarm set point for positive or negative result which is user settable.

2) Factory setting
NEGATIVE: <50 mg/100ml
POSITIVE: >50mg/100ml

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

Printer: Portable mobile printer

Printing Speed: 50-80 mm/sec

Effective printing width: 48 mm

Report Printout: Fully customizable printout Format as per user requirement. (customization can be offered only for bulk orders).

Data Transfer / Print: Serial (wired) or Blue tooth (wireless) communication

Features: Micro-controller based, Auto Zero, Peak Latching, System Check, Battery Check, Data Logging, RTC.

Function Keys: TEST, RECALL, BATT & PRINT
Operating temp: -10° to +50° C

Display: LCD display with backlight.

Power supply: 7.4 V, 1800mAh / Li-ion battery

Instrument Enclosure: ABS

Dimensions: Height = 183 mm

Width = 95 mm

Depth = 34 mm

● **Weight:** 400 gram

● **Blowpipe:** A specially designed blowpipe is Used to check sufficient blow and also to get the fix amount of breath sample.

● **Certification:** Certified for operational accuracy, Acalibration and physical parameters by the Electronics Regional Test Laboratory (ERTL)

UNIPHOS-395



Certificate No. IND86004/R1

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

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