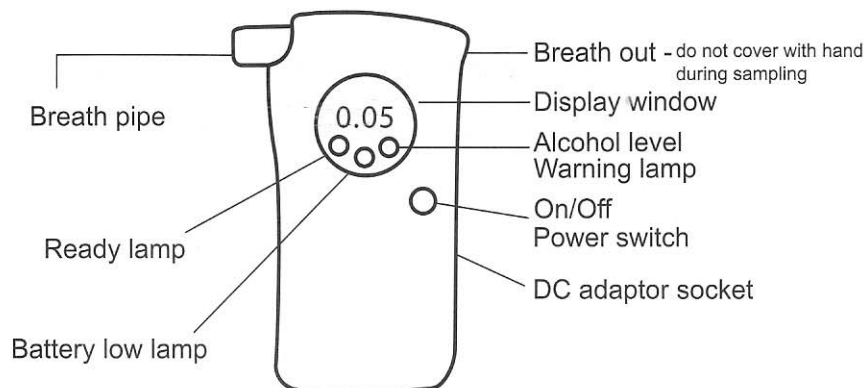


Digital Alcohol Detector

INSTRUCTIONS

Part names

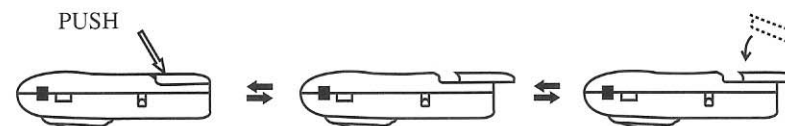


* Read maker's manuals and follow procedures carefully to obtain accurate results.

Operation

1. Turn on the **PWR** On/Off switch.
 - The detector will start the countdown from 200 to 000 on the display window. This is a "Warm-up" process to make the sensor and circuit be ready for testing.
2. When you hear beep sound & green lighting is on **READY**, please blow steadily into the pipe until you would hear the "Beep" sound again. Stop blowing.
 - In this stage, if you don't blow within 30 seconds, it automatically shows **OFF** display for turn-off.
 - In case you drink quite a little (if actual concentration would be below 0.01% BAC/0.05mg/l BRAC), it may not be activated. However, it shows still 0.00% and you're said to be in safe range.
3. Then, after the red and green lights are simultaneously flickering for 4 seconds, the test result (BAC or BRAC) will be displayed by 3 digits for 15 seconds.
 - If the BAC/BRAC data would be over 0.05%/0.25mg/l (default setting) respectively. Red **WARN** lamp will be flickering along with "Alarm" sound.
4. Finally, it shows **"OFF"** for turn-off.
5. For the successive testing, try again from No.1 to No.3.
6. Space tests at least 2 minutes apart.

Tips for battery exchange



Precautions

1. After drinking, it is recommended to test after 20 min.
 - It is because it takes 20 min. approximately for alcohol to be absorbed into blood from the digestive organs, and residual alcohol remaining in the mouth takes this long to dissipate.
2. Avoid testing under strong wind or in the closed room with contaminated air.
3. When the **"BAT LOW"** lamp is on, it is advisable to replace 9V alkaline battery.
4. Do not blow cigarette smoke or liquid into the instrument. It will damage the sensor. Wait 1 minute after smoking before a test.
5. Although CA2000 analyzes blood alcohol concentration accurately, do not use CA2000 as a tool to drink and drive.
6. Keep it under 32-104 (°F) and out of the reach of children.
7. In normal use, CA2000 requires re-calibration every 6-12 months to obtain accurate results. Discuss with local distributors for re-calibration.
8. Do not leave CA2000' car adaptor connected with cigar jack.

Specifications

Dimension	120 x 60 x 25 mm
Weight	200 grams
Battery	9V alkaline
Sensor	Highly selective semi-conductor oxide sensor
Warm-up time	20 sec
Response time	3 sec
Operating Temp.	10 - 40 °C
Accuracy	±0.01% at 0.10% BAC
Calibration	BAC simulator

Warranty

Manufacturer warrants for 1 year the product to be free from defects in workmanship or material (excluding calibration) in normal service from the date of purchase. Manufacturer's obligation under this warranty is limited to replacing, adjusting, or repairing the unit if returned along with proof of purchase. This warranty is void if unit has been tampered with or maliciously damaged.