

BREATH ALCOHOL/REAL-TIME

Introducing BA/RT, Sentinel's advanced alcohol monitoring device that delivers real-time, deep-lung alcohol testing in an easy-to-use, lightweight hand-held device. With BA/RT, Sentinel offers agencies significant advantages over other alcohol monitoring devices on the market today:

- + Unlike transdermal units, BA/RT is noninvasive and is entirely hand held, eliminating body-worn bracelets, in-home equipment and the need for a home phone line;
- + BA/RT is equipped with a state-of-the-art fuel-cell sensor that provides extremely reliable and accurate BrAC readings using empirical sampling data;
- + With its highly portable and lightweight design, BA/RT is a significant improvement over cumbersome tabletop units intended for home use. Tests can be conducted on demand, anywhere, anytime;
- + When a test is conducted, BA/RT guides the participant through an intuitive testing procedure using alphanumeric prompts and multiple colored LEDs;
- + BA/RT issues both an audible and visual queue confirming a successful test. This dramatically reduces the risk of an incomplete test;
- + BA/RT is equipped with a high-resolution camera that captures a color image of the participant as the test is being performed, allowing monitoring staff to accurately verify the participant's identity;
- + BA/RT provides GPS mapping of the participant's location at the time of the test and provides an immediate BrAC level reading and a pass/fail result via cellular network communication, and;
- + BA/RT automatically re-tests a positive BrAC result.





MICROPROCESSOR

- 8 MHz TI 16-bit processor

MEMORY

- Microchip 16MB Nand Flash
- SD card (removable at factory only) holds up to 1500 color images and test results

SENSOR BOARD

- **Fuel Cell Sensor:** Dart Sensor Model 2-R5, converts alcohol in the breath sample into voltage
- **Pressure Sensor:** Honeywell HWSCS05824 Pressure Sensor measures the air stream pushed through the straw

DISPLAY

- 32-Character LCD Back-lit
- White on Blue

CAMERA

- VGA/QVGA 160 x 120 resolution

ALERTS

- Audible, text, vibration

COMMUNICATION

- CDMA cellular machine-to-machine (M2M) module
- Standalone GPS/SGPS/AGPS

BATTERY

- 1800 mA 3.7V DC Lithium Ion
- **Batter Life:** Minimum 48 hours on full charge

CHARGING

- 120V AC to 5V DC adapter
- Red LED illuminates when battery is low
- Red LED blinks while charging
- **Charge Time:** 90-minute maximum from depleted condition

REPORTING

- BrAC level (e.g., .025)
- Time of test
- Missed test(s)
- Location via GPS
- Color photo of participant at time of test
- Calibration date

DIMENSIONS

- 6.0" (l) x 2.4" (w) x 1.4" (h)
- Weight: 6.8 oz./171 g.

CALIBRATION

- Sentinel re-calibrates each device every six (6) months

CASING

- Impact resistant, non-flammable injection molded plastic

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