



Suracell™ Technology



BREATHALYZER

iblow 10

USER MANUAL

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Introduction

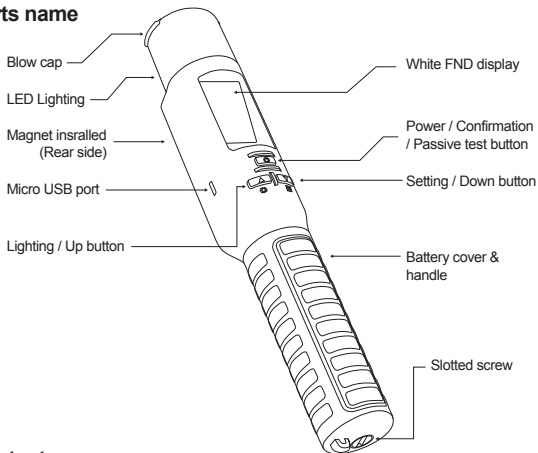
With new Fuel Cell Sensor Technology of Sentech Korea, iblow 10 is designed to high-quality professional use to check person's alcohol concentration fastly & accurately

With iblow10, the alcohol levels of 12 people can be measured per minute and the results are displayed in numerics and can also indicate zero-low-high levels. The device has manual sampling function so it is possible to check alcohol level of specific drinks or unconscious subject .

The blow cap is easily replaced for hygienic use, and the built-in magnets make it attachable to vehicles when police conduct roadside tests, preventing damage to the equipment. The LED lighting can also be used in various ways at night.

The user can also adjust the settings directly or connect it to PC software for more detailed settings. The alarm function also indicates the calibration warning and grace period of calibration warning, making it much more convenient.

Parts name



Contents

iblow10 1pc, Blow cap (Basic pack: 3pcs/Advanced pack: 10pcs), Micro USB cable 1pc, Handstrap 1pc, User manual 1pc

1. Product Introduction

Product concept

Appearance

Front View

Rear View

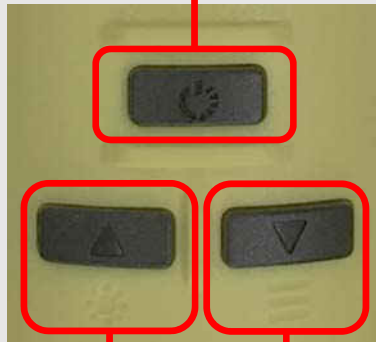


1. Product Introduction

Summary



Button orders



Power On/Off



Enter the menu



Select the function



Move up



Light mode



Move down



Menu mode

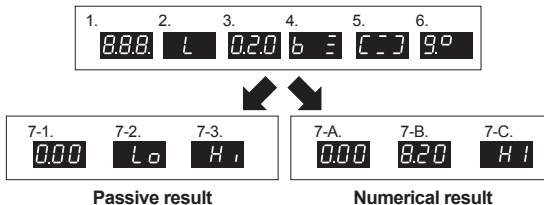
Safety information : please read before using iblow10

- Always use genuine Sentech Korea accessories. Use imitation items for the device may not give you proper result, or they may damage the device.
- Recalibrating the device or modifying the device's hardware and software from unofficial sources may damage the device.
- Wait at least 20 minutes after eating or drinking before testing. Alcohol remaining in the mouth, or even excess saliva, may interfere with testing. This includes alcohol-based mouthwash or similar products, which include any alcohol ingredient.
- Avoid testing in high wind or enclosed spaces. Poor ventilation may also lengthen the time required for warm up between tests.
- Do not blow smoke, saliva or other contaminants into the sampling hole, as the sensor may become damaged.
- Hold the device at straight to the subject for accurate results. The others may not give you correct results.
- Poor handling, physical impact, or electrical shock causes most premature device failures.
- Do not store the device extreme temperatures, direct sunlight, dirt and dust
- Store the device beyond children's reach.
- Any service in regard to the device should be performed by authorized service partners.

Battery safety information

- Do not disassemble the batteries!
- Only replace with batteries of the same type, never use different types of batteries together or used batteries with new ones.
- Replace al the batteries at the same time!
- Keep batteries out of children's hands!
- Do not use manganese batteries!
- Do not attempt to recharge Alkaline batteries! There is a risk of explosion!
- Do not insert the battery into the opposite electrode (see the diagram on the rearside label) Please remove all the batteries when not using it for long period!
- If it may cause to the leakage from batteries, please avoid contact with eyes, skin and mucous membranes! If battery liquid comes in contact with any of these body parts, rinse the affected region with a sufficient amount of clean water and seek medical attention immediately!

Unit operation



1. Press the power button
2. 3. If you keep press the power button, "L" and particular number which is the last test result will be displayed
4. Battery level will be indicated: High or Middle or Low
5. Warming up status
6. "go" means ready to test. Maintain subject to blow cap area 2~3cm and blow steadily into device's sampling hole
7. Test result will be displayed in 2 modes: Zero- Low- High or Numeric results
- 7-1. 7-2. 7-3. 3 levels of test result display: 0.00 (Zero), Lo (Low), Hi (High)
- 7-A. 7-B. 7-C. Numerical test result display: Approximate numeric result until 1.00g/L (1.00g/L = 0.50mg/L = 0.10%BAC = 100mg/100mL)

*** If the result is higher than 1.00g/L, display will shows "HI" without numeric display**

****In numeric result mode, test result could be affected by sampling distance, angle, flow rate and strength***

***Manual sampling activation:** if the subject did not breathe out hard enough, or when checking the alcohol content of a drink, press the power button once on "go" status for the manual sampling.

Manual sampling result will be displayed 3 levels as 0.00 (Zero), Lo (Low), Hi (High)

1-1. iBlow10

1. Product Introduction

Summary



Power on sequence

1. Keep push the power button and release when response.

1.	2.	3.	4.
8.8.8.	b E	[-]	9°

1. Power on → 2. Battery level → 3. Initializing →
4. Ready to blow

2. Keep push the power button and just keep push it.

1.	2.	3.	4.	5.	6.
8.8.8.	L	0.20	b E	[-]	9°

Repeat until release the button

1. Power on → 2. Display "L" → 3. Display latest test data
4. Battery level → 5. Initializing → 6. Ready to blow
7. Analyzing → 8. Test result

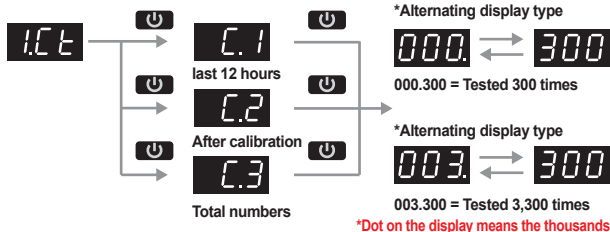
Device Settings

Device setting **9^o** menu can be entered by keep **▲** **▼** pressing **9^o** on mode
*If you want back to mode at setting menu, keep pressing together

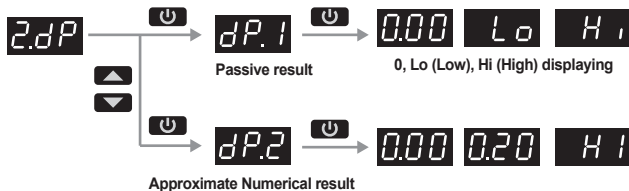
0. Last Result Check



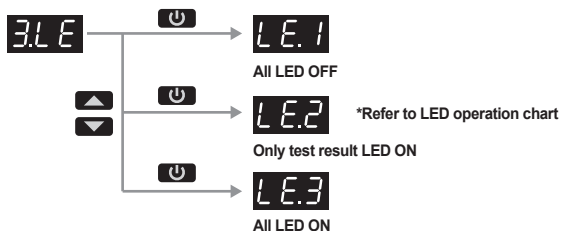
1. Counting of Test Numbers Check



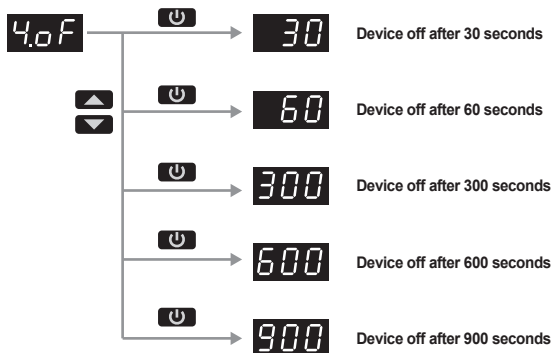
2. Display Mode Setting



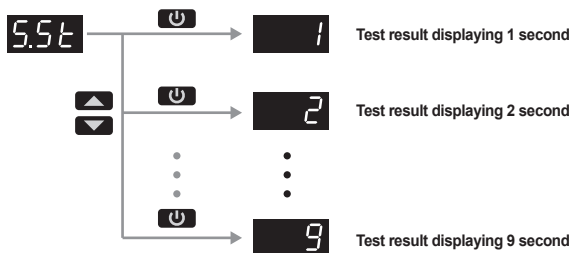
3. LED Lighting Mode Setting



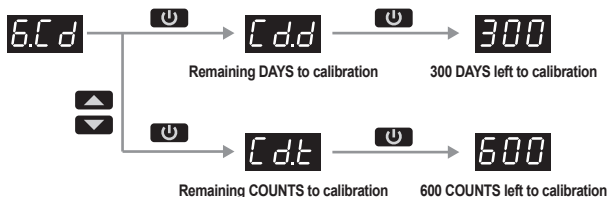
4. Automatic Device Off time Setting



5. Test result displaying time Setting



7. Calibration reminder check



What if device passed calibration DAYS or COUNTS?

->DAYS or COUNTS of grace period will be activated and "remaining DAYS or COUNTS" to the calibration lock will be displayed initially whenever device is turned on

What if device passed grace period of calibration DAYS or COUNTS?

->Device will be calibration locked so please contact local service provider

**Calibration lock: Device is locked and can not operate device anymore so device needs to be recalibrated to be operated*

Displays on iblow10

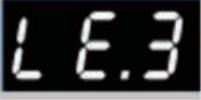
	Out to "go" (ready to blow) mode from setting menu *Short cut key: keep   pressing together	
	Running out of batteries and need to replace batteries to new one *Replace all batteries at a time	
	Too low temperature to operate the device. It will appear below than -5 °C (celsius)	 Too high temperature to operate the device. It will appear above than 50 °C (celsius)
	Closing to the calibration required DAYS (e.g. d.30 means 30 days left to calibration required days) It will ONLY appear warming up status when the device is turned on	
	Closing to the calibration required COUNTS (e.g. t.99 means 990 test counts left to calibration required counts) It will ONLY appear warming up status when the device is turned on	
	DAYS of calibration grace period activated CA.d and specific numbers left DAYS to calibration lock will be displayed alternatively Device need to have calibration service before calibration lock	
	COUNTS of calibration grace period activated CA.t and specific numbers left COUNTS to calibration lock will be displayed alternatively (001 = 10 COUNTS left) Device need to have calibration service before calibration lock	
	Device is in calibration lock status. Contact technical service provider	
	Battery level indication It will ONLY appear warming up status when the device is turned on	
	Low battery level indication while device is ready to blow status Status bar is moving and batteries need to be replaced immediately * Low battery level indication could be displayed under WHITE LED status due to power consuming on WHITE LED is much bigger than other color of LED	
	Device is under calibration grace period (DAYS or COUNTS) Device need to have calibration service before calibration lock	
	Flow error: the breath sample was not strong enough Blow strong and steady during sampling	
	USB cable is connected to the device	 PC software is connected to the device
	Err1 error: Pressure sensor damaged so contact technical service provider	

Er.2	Err2 error: Alcohol sensor damaged so contact technical service provider		
Er.3	Err3 error: Timer or battery for the timer damaged so contact technical service provider		
Er.5	Err5 error: Memory damaged so contact technical service provider		
Er.8	Er.9	Err2 error: Alcohol sensor damaged so contact technical service provider	
Out	Device is ready to OFF Press power button once to off the device.		OFF Device OFF

Specification

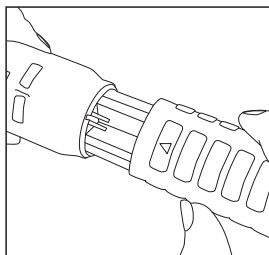
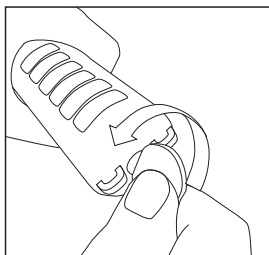
Sensor Type		Suracell™ sensor (Fuel Cell sensor)
Battery		AA Size Alkaline Battery Or Rechargeable Battery 6EA
Weight		370g (Including batteries)
Size (mm)		276(Height) X 44.5(Width) X 44.5(Thickness)
Test result	LED Alert	Zero : Green / Low : Red / High : Blinking Red
	FND display	0.00/L0/Hi or Numerical result (Display "HI" in Numerical result mode means more than 1.00 g/l of BAC)
	Buzzer alarm	Zero : 1 Beep sound Low : Repeating short Beep sound High : long Beep sound
Warming up time		Within 10 seconds
Time for analysis		Within 2 seconds (at 0.00 BAC)
Maximum test		12 times / 1 minute
Working temperature		-5°C ~ 50°C
Storage		-10°C ~ 60°C
Mouthpiece		Blow cap (Replaceable & washable passive cone type)
Auto power OFF		Adjustable 30 to 900 seconds
Duration time for display		Adjustable 1 to 9 seconds
Calibration period		Every 5,000 tests or 12 months whichever comes first (Factory Default) *Changeable by Web-server software
Additional Function	Built-in Magnet	
	Reminder for calibration & Grace period	
	Calibration protection by Web-server connecting	
	Manual LED lighting: White, Red blinking, Red, Red & blue	

LED operation chart: LED mode setting & manual LED operation

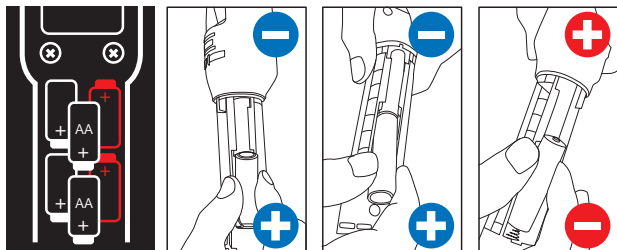
LED MODE \ STATUS	READY (go mode)	RESULT	MANUAL OPERATION BY  BUTTON
		ZERO 	
		LOW 	
		HIGH 	
		ZERO 	
		LOW 	
		HIGH 	
		ZERO 	
		LOW 	
		HIGH 	

Changing Batteries

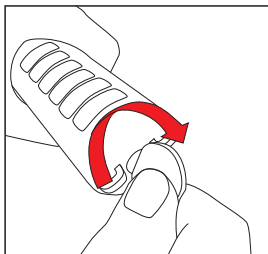
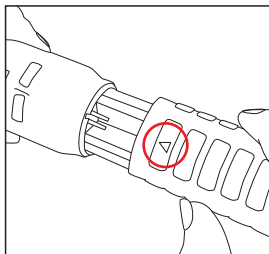
1. Loosen the slotted screw anticlockwise with coin or appropriate tools and remove the Battery cover



2. Replace new six 1.5V Alkaline Batteries (LR06,AA) or rechargeable batteries. Please make sure the inserting batteries are the right ways (follow the batteries diagram on the rearside label)



3. Put the battery cover (Arrow upward) align the protrusion with the slot on the device and tighten clockwise the slotted screw with coin or appropriate tools



Warranty

The manufacturer warrants the product to be free from defects in workmanship or material (excluding calibration) under normal use for six (6) months from the date of purchase.

The 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 the unit has been tampered with or maliciously damaged.

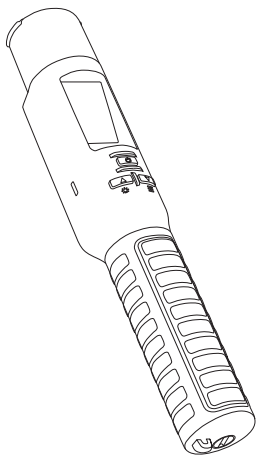
Calibration & Service

For recalibration and technical support, please contact us at:

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