



SENTECH

Sentech Korea Corp. is a venture firm established in 1998 by Pohang Research Institute of Industrial Science and Technology, which is one of the best research institutes in Korea.

With advanced semiconductor and fuel cell gas sensor technology, it has succeeded in commercializing breathalyzer and gas detectors and became a leader of the global market with sales networks in over 40 countries.

In particular, the breathalyzer with special sensors for alcohol, provide excellent durability, convenience, precision as well as design. It has thus acquired international certifications such as UL, CE, EN, DOT and FDA, firmly making its mark as the No. 1 product in the world. Technology to the world, Sentech Korea pioneers a new field in sensors.



History in Brief

1998.

- 07. 29 Establishment of company
- 12. Registered as a Supplier for Korean Police for breath alcohol tester

1999.

- 08. Registered as a Supplier for Korean Police for breath alcohol tester
- 12. Won the Venture Enterprise Award

2000.

- 02. Established ILSAN Factory
- 03. Invitation POSTEC & HYUNDAI
- 12. Certification of Highly competitive technology company

2001.

- 05. Registered as a company for Export competitive company
- 11. Registered as a Supplier for Korean Police for breath alcohol tester

2002.

- 09. Registered ISO 9001
- 12. Certified EM Mark Company

2003.

- 02. Developed VOC (Volatile Organic Compound) Sensor
- 10. Certificate of good product by public procurement service
- 12. Registered as a Supplier for Korean Police for breath alcohol tester

2004.

11. Registered as a Supplier for Korean Police for breath alcohol tester

2005.

12. Registered as a Supplier for Korean Police for breath alcohol tester

2006.

- 06. Registered as a Success Design with AL6000
- 12. Won the KBDC Award

2007

08. Registered as a company for MCTD

2008.

- 04. Established Paju Factory
- 05. Registered INNO-BIZ as Technical Innovation Company
- 09. Established laboratory affiliated with a company

2009.

12. Registered as a Supplier for Korean Police for breath alcohol tester

2010.

- 05. AQS sensor delivery contract
- 11. Registered as a Supplier for Korea Police for breath alcohol tester

2011.

12. Awarded from Ministry of Knowledge Economy in Trading Day Registered as a Supplier for Korea Police for breath alcohol tester

2012.

- 06. Certification of global giant enterprise Frankfurt Branch Office Opened
- 09. 1st Europe conference held in Frankfurt.
- 11. Registered as a Supplier for Colombian Military for breath alcohol tester
- 11. Awarded from Prime Minister in Trading Day







2013.

- 03. Korea National Police Breathalyzer supply for court evidential purposes.
- 08. Selected as Global Leader
- 11. Awarded the Technological Advance
- 11. 2nd Europe conference held in Frankfurt.
- 12. Selected as Best Family Friendly Management from Ministry of Gender Equality and Family Registered as a Supplier for Korea Police for breath alcohol tester

2014.

- 04. European Norm Approval
- 11. 3rd Europe conference held in Salzburg.

2015.

- 03. Registered ISO/TS 16949
- 09. ALCOSCAN ALP-1 DOT EBT approved
- 10. Selected as promising small business by Gyeonggi Province Governor 4th Europe conference held in Amsterdam.

2016.

Registered as a Supplier for Korean Police for breath alcohol tester

- 03. Registered as a breath alcohol tester supplier for Iran Police
- 09. 5th Europe conference in Poznan

2017.

Registered as a Supplier for Korean Police for breath alcohol tester

- 07. Designated as Superior Technology Research Center by the Ministry of Trade, Industry and Energy
- 09. 6th Europe Conference in Tallinn

2018.

Registered as a Supplier for Korean Police for breath alcohol tester

- 07. 20th anniversary of SENTECH KOREA CORP.
- 09. 7th Conference in Seoul 09. Registered IATF16949
- 11. Established LA Branch in USA

- 06. Designated as a Small Giant Company by the Ministry of SMEs and Startups of the Korean Government
- 09. 8th EU Conference in Yerevan, Armenia

2020.

- 07. isober S Pro conformed DOT/NHTSA's Model Specifications as Evidential use.
- 08. ALP-1 Lite conformed DOT/NHTSA's Model Specifications as Evidential use.
- 09. Registered as a Supplier for Korea Police for none-contact type of breath alcohol tester
- 11. Registered ISO13485

2021.

- 04. Launched a breath alcohol screening device iblow10-C
- 12. Registered as a Supplier for Korea Police of breath alcohol tester as evidential use

2022.

- 04. isober S Pro approved EN15964
- 09. 9th EU Conference in Milan, Italy
- 11. Registered as a Supplier for Korea Police of breath alcohol tester as evidential use

ALCOSCAN ALX3000

Breathalyzer Ignition Locking Device



/ What is ALX 3000?

The Breathalyzer Ignition Locking Device for all vehicles. Driver is required to pass the alcohol test in order to start the engine. Drive sober with ALX3000!













What is strong point of ALX 3000?

- The super fastest warm-up technology (Patent Pending) Warm-up time: within 3 sec (at 0°C) / 30 sec (at -20°C)
- Calibration Reminder
- 3 Highly durable and accurate sensor
- 4 Data storage and download available from handset & control box
- **5** EN 50436-1, EN 50436-2 approved





Highly accurate Suracell rapid screening breathalyzer

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What is the strong point of iblow10?

- 1 Test available 12 times in 1 minute
- 2 5,000 tests available with new alkaline battery
- 3 Wide LED lighting according to test result
- 4 Replaceable blow cap for hygienic use
- Calibration reminder function
- (f) Calibration protection through PC software

✓ What is "SuraCell"?

The Key feature of SuraCell is durable at high & low temperature. SuraCell endures each temperature and sustained its sensitivity.















2 mode operation of iblow10

Numerical (Digits) & Low, High result display mode



Sampling subject's exhale breath



Zero result displaying



Numerical result displaying



ing Lo/Hi result displaying

Non-contact alcohol breathalyzer is capable of distance measurement





✓ What is strong of the iblow10-C

- 1 Does not make a back –flow breath to the subject's face.
- The exhaled breath from the subject does not affect the operator
- Testing is possible when wearing a mask
- 4 It enables testing for up to 10 people per minute
- Rechargeable Lithium polymer battery built in.
- 6 Fuel cell sensor(Suracell) technology
- Calibration & Grace Period reminder

No Flowback Breath

Innovative design nozzle with antimicrobial copper coating to prevent cross contamination and transmission of viruses and bacteria from one test subject to the next.





Testing is possible when wearing a mask

Even the person is blowing while wearing a mask, the instrument can detect the person's exhaled breath.

Wearing a mask during the breathalyzer test will aid in the prevention of infection.













✓ Traffic Baton and Flashlight

The LED lighting can be used in various ways at night and displays in White/Red blinking/Red/Red and Blue. It is perfect for law and traffic enforcement officers at the sobriety check point control.



iSOBER S/iSOBER S PRO

Fuel Cell Sensor Technology, Smartphone connectable via Bluetooth



What is strong point of iSOBER S?

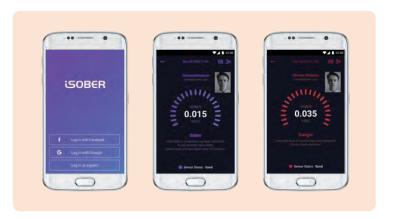
- 1 Advanced quality & functions for professional use
- ② Save and manage the results via free smartphone application 'iSOBER' (available on Bluetooth optional)
- 3 Test results can be saved on SD card





What can be done with Application 'iSOBER'?

- Connection to smartphone applicationavailable by Bluetooth function
- Test result, date, time, name, and picture can be saved and managed conveniently
- Share the test result via SNS



ALCOSCAN ALP-1

Professional Breathalyzer European Norm and listed as evidential breath testers by DOT: Highly-upgraded professional breathalyzer











Korean Police have used it as the evidential device from 2013.



Is it a police level breathalyzer?

ALP-1 is a highly-upgraded professional breathalyzer. Korean Police have used it as the evidential device from 2013. Poland, Vietnam and Iran police also use it as evidential device



What function does ALP-1 have?

- Bluetooth Function: The test result can be printed out without connecting the cable.
- 2 SD Card: Test result can be saved on the SD card.
- **3 Wireless printing (IrDA connecting)**: Keep both IrDA windows facing each other
- PC & Printer connectable
- **5** Memory function: 500 test results





SD Card

IrDA connecting











What measurement mode does ALP-1 have?

- **1** Normal mode: Test result showing with digits.
- **2** Fast mode: Test will be quicker and more convenient.

The result is showing with "PASS" or "FAIL" rather than numerical reading.

You don't need to push the button to take a breath.

You don't need to use mouthpiece, use the open container.

3 Passive mode: This is manual mode to take a breath by pushing a button. You can use it for both normal and fast mode.



Fast mode

What is the mobile connectable function?

- 1 You can enter the application in smart phone. It can be connected with ALP-1 by Bluetooth.
- When you blow a breath, see the mobile camera.
- 3 Test result, date, time, name, ID and pictures can be saved and sent
- This function is good for industrial site and Transportation Company which is needed to test alcohol level for safety reason.



Normal mode



ALCOSCAN EBS

Fuel Cell Technology Simply check your alcohol concentration with EBS which is installed with access system to prevent alcohol related accidents in workplace

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✓ What is Entrance Breathalyzer System, EBS?

It is to control the entry of workers into their workplace by simple checking of alcohol concentration from subject's exhaled breath. It can be installed with turnstiles, auto door, speed gate or any other type of access control system.

What is the advantage of EBS?

- 1 Highly sensitive & accuracy alcohol sensor
- Replaceable alcohol sensor module
- 3 Value added service as optional access control system
- Fast alcohol checking: Max.12 persons / 1 minute
- Applicable access system where in Casino, Mining, Petrochemical plant, Heavy machinery work place, Laboratory, Stadium





















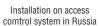


ALCOSCAN EBS-010

No More Alcohol related Accident in Workplace Fuel Cell Technology









Installation with finger print machine









✓ Difference of EBS and EBS-010

	EBS	EBS-10			
Power	DC 12V, 1.5A Adapter included	No Adapter included Required Input Voltage DC 12V, 1.5A from door system			
Dimension	200 x 100 x 70 mm	206 x 108 x 37 mm			
Weights	950g	674g			
Operation button	On the device (User operating)	External button (Manager operating)			
PC connectable	No available	MAX20 PC software connectable (Optional item)			
Sampling hole protection	No	Existing sampling hole cap			
Case material	Steel	ABS			
Certification	CE	CE, IP54			

ALCOSCAN ADBs

Wall mountable Breathalyzer : Specialized in Advertising Commercial Video

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✓ Which kinds of advertising can be playing on ADBs?

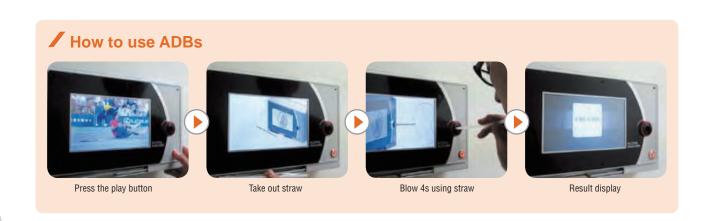
- 1 Beer, whisky or any alcohol beverages
- 2 Drinking alcohol responsible campaigns
- 3 Automobile insurance, taxi or designated-driver services
- 4 Sports or specific TV channels
- Online dating services
- (f) Smartphone application advertising

Video guide on Youtube

- Operating ADBs https://youtu.be/SH05kDQJE4k
- Advertising video change by mobile device https://youtu.be/1kwiVZVpqws







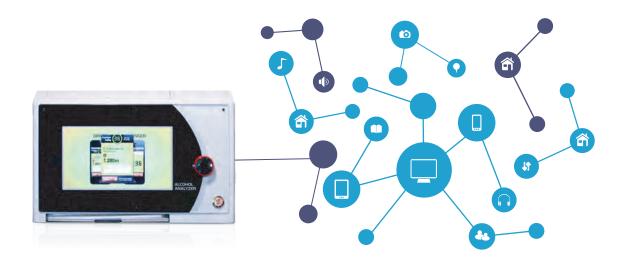


What is the strong point of ADBs?

- BWIFI connectable 9 inch Tablet PC installed
- Test result & advertising video uploaded at web-server
- Simple button operation type
- 4 Enhanced security: Extra padlock
- 3 Easy supplement of straws by feeding inlet
- (i) Inclined top to prevent putting of glass or bottle on the device

✓ ADBs is the first IoT (Internet of Things) breathalyzer in the world

Advertising video change, device information check via internet access anywhere, anytime





ALCOSCAN AL4000

Coin operated & Wall mounted Breathalyzer



What is coin operated breathalyzer?

It is commercial vending-style breath alcohol tester. It can be installed at bars, restaurants, casinos or anywhere alcohol related places.

✓ What function does AL4000 have?

- 1 Customized coin mechanism available
- 2 LCD display with various languages (English, Korean, German, French, Italian, Polish, Russia Czech, Spanish, Rumanian)
- 3 Easy maintenance (Sensor module replaceable)
- 4 Additional function: Digital photo frame (7inch), Steel cas















How to use AL4000



Car parking lot in Germany



Police office in Poland



Restaurant in Netherland



Bar in Brazil

ALCOSCAN AL3200/AL3100

Dual sensor : semiconductor & fuelcell sensor installed table top model

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✓ Does AL3200 use semiconductor sensor and fuel cell sensor together?

Yes, semiconductor sensor for fast mode and fuel cell sensor for normal mode.

What is Fast mode?

Test result is indicated by pass or fail. Semiconductor alcohol sensor uses and no need to use a drinking straw.





What is Normal mode?

Test result is indicated by numeric. Fuel cell alcohol sensor uses and use a drinking straw.

















AL3100

Semi conductor sensor ONLY installed model





ALCOSCAN AL9000 SERIES

Accurate Measurement with Fuel cell Sensor Technology

✓ ALCOSCAN AL9000 series

give the reliability required in high-volume industrial site.













AL9000

PC Connectable / Blue black / 116x50x20mm









AL9000Lite (Simplified)

Non available / Black / 116x50x20mm







AL9010

PC & Printer connectable / Brown / 116x50x25mm









ALCOSCAN ALC-1

Professional portable breathalyzer with convenience for user



✓ What is a Pre-calibrated Replaceable Sensor module?

Sentech Korea is the first breathalyzer company to introduce precalibrated replaceable modules to the market.

The Pre-Calibrated Replaceable Alcohol Sensor Module can eliminate the delays and complications of re-calibration by allowing you to simply "snap out" an old module and "snap in" a new module.

✓ What is general and built-in mouthpiece?

- General mouthpiece is the single use.
- ② Built-in mouthpiece is not single use. So the user can test ALC-1 without putting general mouthpiece. Just push the hook for using this mouthpiece.















ALC-2

CANNOT replace sensor module







Built-in mouthpiece

ALCOSCAN AL8000PLUS/AL8000

Fuel cell Sensor Technology, Handy and Compact Size

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✓ What is the strong point of AL8000PLUS

- 1 Small & Slim design
- 2 Large size fuel cell sensor
- 3 10 test results can be saved
- calibration reminder















EN16280 approved **(**E

AL8000

Compact and slim design 5 color available fuelcell model EN16280 approved (optional) NO NFC function



ALCOSCAN AL8800/AL8800BT

Fuel cell Sensor Technology, Handy and Compact size



✓ What is the strong point of AL8800

- 1 Small & Slim design for fuel cell sensor
- Portable & Convenience
- 3 1Simplified & Accurate
- 4 Stable breath taking position

















AL8800BT

- Connection to smartphone application available by Bluetooth function
- Test result, date, time, name, and picture can be saved and managed conveniently
- Share the test result via SNS

ALCOSCAN AL1100 & AL1100F

Korean Police use Fast check & Easy screening



✓ What is the strong point of AL1100?

- 1 Fast checking & Easy Screening
- Response time: within 2 seconds
- 3 Maximum test times in 1 minute: 12 times
- 4 Continuous using time: over 4 hours
- 5 Korean Police use over 10 years













Korean Police use Fast check & Easy screening





✓ What difference do AL1100 and AL1100F have?



- Fuel cell Sensor type
- 2 140(h) x 56.5(w) x 25(t)
- ③ Storage Temperature: -10℃ to 60℃
- 4 Using Temperature: -5℃ to 40℃
- 6 Normal & Passive mode

ALCOSCAN AL7000/AL7010

Premium Breathalyzer Easy-Replace Sensor module







✓ What is a Pre-calibrated Replaceable Sensor module?

Sentech Korea is the first breathalyzer company to introduce pre-calibrated replaceable modules to the market. The Pre-Calibrated Replaceable Alcohol Sensor Module can eliminate the delays and complications of re-calibration by allowing you to simply "snap out" an old module and "snap in" a new module.

What is Mouthpiece holder?

It can keep 1pcs mouthpieces inside of breathalyzer.













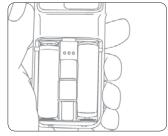


No Sensor Module

PREMIUM BREATHALYZER



Replaceable Sensor Module



Mouthpiece Holder



ALCOSCAN AL6000/AL6000Lite

Hand held, portable breath alcohol tester with reliable accuracy









✓ What measurement mode does AL6000 have?

- 1 Normal mode: Test result showing with digits.
- 2 Fast mode: Test will be quicker and more convenient. The result is showing with "0", "Low"and "High" rather than numerical reading.



















What difference does AL6000series have?

AL6000Lite Can not replace sensor module Only Normal mode available

ALCOSCAN AL5500

Hand held, portable breath alcohol tester with reliable accuracy

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✓ What kinds of Mouthpiece does AL5500 use?

Various types of mouthpieces as below picture are available.















ALCOSCAN AL2500 SERIES

Highly Sensitive and Reliable Accuracy Especially Useful for self checking the B.A.C.



✓ What difference does AL2500series have?













AL2500elite
Use Mouthpiece







Gas Sensor/Gas Alarm Module

www.sentechkorea.com

// Gas sensor



Model	Package Type	Target Gas	Application
STK-2005	LNG & LPG	TO5	Combustible gas detection
STK-4000	General air contaminant	TO5	Air quality control
STK-6100	CO, NO gas (2 in 1 chip)	TO5	Air quality control in the Vehicle

Gas Alarm Module



Model	Package Type	Application
STM-2004	Combustiblegas	Boiler or combustion apparatus maker
STM-2006	Combustible gas	Boiler or combustion apparatus maker

Product Comparison

www.sentechkorea.com

Model	AL2500 & AL2500ELite	AL5500 & AL6000Lite	AL7010	AL6000	AL7000	AL1100	AL8000 &AL8000PLUS	AL8800	AL8800BT	
Appearance	859 1	200	©			F		O_	blo	
Sensor type	Semiconductor						Fuel Cell			
Replaceable Sensor module	Х	Х	Х	0	0	Х	Х	х	Х	
Mouthpiece	AL2500 - X AL2500 Elite - O	0	0	0	0	Х	0	0	0	
Display	3 Digit	3 Digit	4 Digit	3 Digit	4 Digit	X	3 Digit	3 Digit	3 Digit	
FND/LCD	LCD	FND	White FND	FND	LCD	LED Lamp	FND	White FND	White FND	
Accuracy	±20% at 0.05%BAC	±20% at 0.05%BAC	±20% at 0.05%BAC	±20% at 0.05%BAC	±20% at 0.05%BAC	-	±10% at 0.05%BAC	±10% at 0.05%BAC	±10% at 0.05%BAC	
Passive mode	Х	Х	Х	Х	Х	X	0	0	0	
Printable	Х	Х	Х	Х	Х	Х	Х	Х	Х	
Memory	Х	Х	Х	Х	Х	Х	Х	Х	Х	
PC Connect	Х	Х	Х	Х	Х	Х	Х	Х	Х	
Rechargeable	Х	х	Х	Х	Х	0	х	Х	Х	
Wireless Communication	Х	х	Х	Х	Х	Х	х	Х	Bluetooth	
Certification	CE, DOT, FDA	AS, DOT, FDA (AL6000L) CE (AL5500 & AL6000L)	CE	CE, AS, DOT, FDA	CE, FDA, DOT	CE	CE, EN16280 (AL8000)	CE, FDA	CE, FCC	



Model	ISOBER S &ISOBER S PRO	AL9000LITE	ALC-1	AL9000	AL1100F	AL9010	iBlow10	Iblow10-C	ALP-1
Appearance	BLOW.	() () () () () () () () () ()		o e			-		BLOW
Sensor type									
Replaceable Sensor module	Х	X	0	Х	X	Х	Х	Х	0
Mouthpiece	0	0	0	0	Х	0	X	X	0
Display	4 Digit	4 Digit	4 Digit	4 Digit	Х	4 Digit	3 Digit	3 Digit	1.9 Inch
FND/LCD	OLED	LCD	LCD	LCD	LED Lamp	LCD	White FND	White FND	Dot LCD
Accuracy	±5% (at 0.050%BAC)	±10% (at 0.050%BAC)	±5% (at 0.050%BAC)	±5% (at 0.050%BAC)	-	±5% (at 0.050%BAC)	±10% at 0.05%BAC	±10% at 0.05%BAC	±5% (at 0.050%BAC)
Passive mode	Х	0	Х	Х	0	0	0	0	0
Printable	Х	X	X	X	Х	0	Х	Х	0
Memory	0	Х	Х	X	Х	500 times	500 times	500 times	500 times
PC Connect	X	Х	X	0	Х	0	0	0	0
Rechargeable	Х	Х	Х	Х	0	Х	Х	Х	Х
Wireless Communication	Bluetooth	Х	X	Х	Х	Х	Х	X	Bluetooth, IrDA
Certification	CE, FCC	CE, FDA	CE, AS, DOT, FDA	CE, AS, DOT, FDA	CE	CE, EN16280, FDA	CE	CE	CE, AS, DOT, EN15964, IP54

