



Senseair
AsahiKASEI

Safe Start Flex
Automated Alcohol Screening

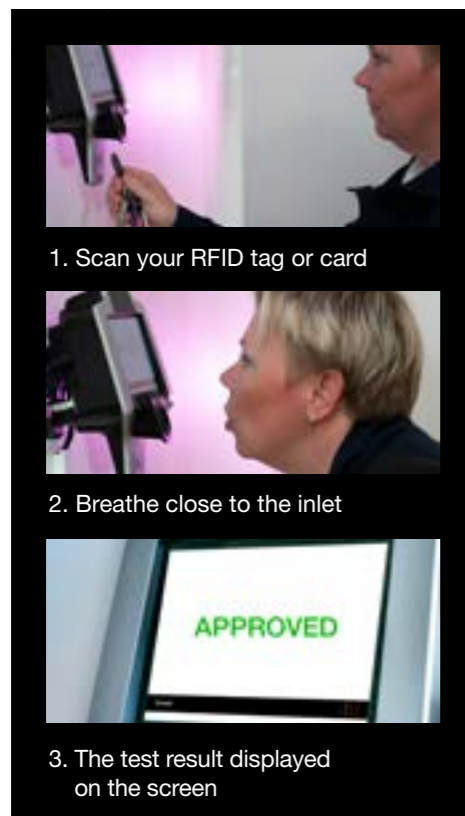


No touch

Senseair Safe Start enables alcohol screening of all safety-sensitive personnel on a daily basis. The use of contactless assessment (no mouthpiece required) allows a quick and easy process where the identification and test takes normally 9 seconds. Multiple units can be networked to allow 100% testing in very high volume settings.

Three steps

9 seconds per test



Resilience of infra-red sensor technology

Infrared (IR) sensor technology has predominantly been used for premium, desk-top alcohol sensors. For example in law enforcement for confirmation/evidential testing, following initial roadside testing (using fuel cell sensor technology). Now the new IR technology is well suited for high volume applications as the sensor does not need to be calibrated. Today we only bring it in for cleaning and a checkup.

Access control

Examples of installation options:

- In conjunction with an access control system (“at the gate” as the employees arrive/leave the workplace)
- When accessing vehicle keys (can be integrated with advanced key cabinet solutions)
- Entering a control room or a high risk area



Contactless design for optimal user hygiene

The use of a tracer gas (carbon dioxide) allows accurate alcohol screening without mouthpiece. The user simply exhales towards the inlet from a distance of approximately 5 cm. An inbuilt fan ensures a constant flow of air from the front of the inlet to an exhaust outlet. This airflow also clears the sensor chamber of any residual alcohol or potential airborne contamination before each new sample.

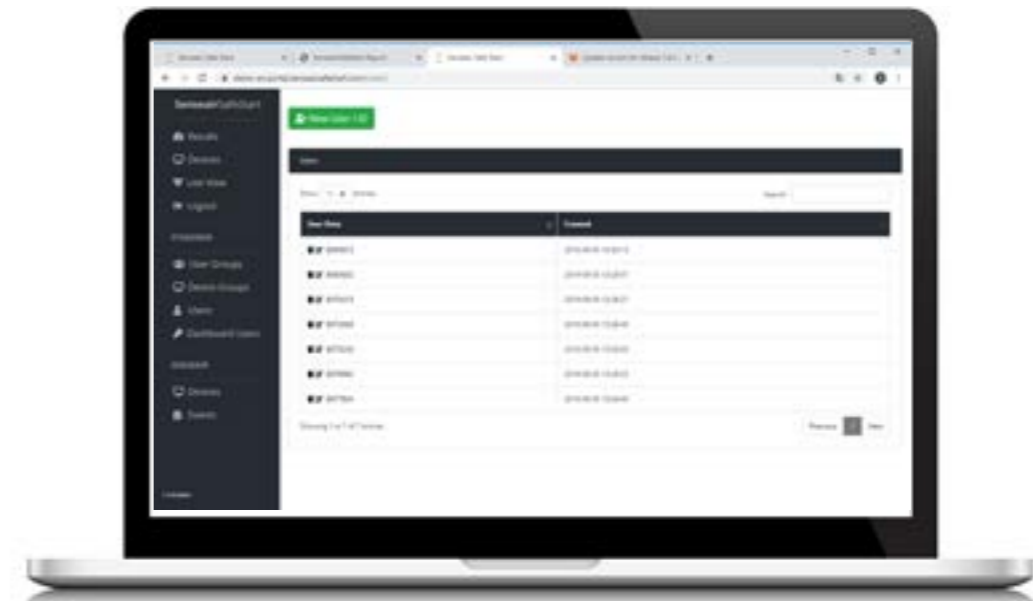


Compare the efficiency of Safe Start with traditional breath test

Web based functions

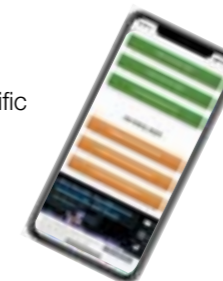
The web-based interface provides flexible access to management and administrative functions. A dashboard tracks the number of approved/non-approved tests, total number of tests and the number of stations that are offline and not available in the system

(multiple units can be networked and controlled/monitored together). All persons are registered via personal RFID cards or tags. Historical details can be investigated and statistical reports produced.



E-learning

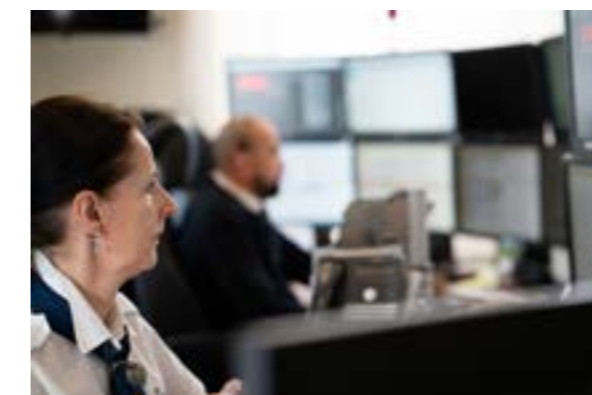
The system is delivered with an e-learning package with the clients specific policies



Possibility to upgrade

If there is a need to check in in the vehicles and apply a safe stop to hinder a driver that is not approved you can check our offer Senseair Safe Start Fleet.

Alerts



Safe Start offers alerts via the control room optimized Live View screen and e-mail.

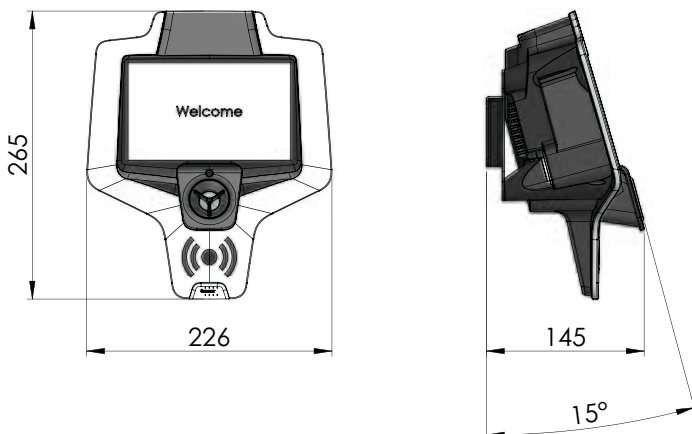
Test reports



For tests indicating alcohol over the limit, detailed pdf reports can be generated.



Operating environment	
Operating temperature	+0 to +40 °C
Storage temperature	-15 to +70 °C
Area of use	Indoors up to 2000 m altitude
Installation	Wall mounted
Functional characteristics and performance	
Sensor	Infrared optical sensor
Measurement method	Contactless (mouthpiece-free)
Capacity	9 seconds per test
RFID-reader	MIFARE Classic & Electro Marine (EM 4102)
Network	1 x RJ45 100 Mb/s
Administrative functions	Web-based interface
Alarm functions	Email / Live View
Relay output	Pulsed at negative test (optional)
Dimensions	
Weight	Approx. 2.0 kg, including power supply
Dimensions	265 x 226 x 145 mm, excluding power supply
Screen Size	7 inches
Electrical requirements	
Power supply	100-230 V, 50/60 Hz
Maximum power consumption	50W
Tests	
Selectivity	Tested according to EN 50436-2: 2012
EMC	Tested according to EN/(IEC) 61326-1:2013, Electrical equipment, control and laboratory use – EMC requirements Part, Industrial requirements.
Service	
Service interval	12 months



Features

- Fast 9 sec/test
- Contactless - no mouthpiece required
- Web-based interface for administration/management analysis and reporting
- Programmable real-time alerts: e-mail, detailed PDF reports
- Network capabilities - including 24/7 status monitoring (# units online/offline)
- "At the gate" verification of fitness for work = real deterrent/workplace safety
- Single annual service, irrespective of throughput
- Alcohol limit set for zero tolerance testing