



Senseair  
AsahiKASEI

Safe Start Team  
Automated Alcohol Screening



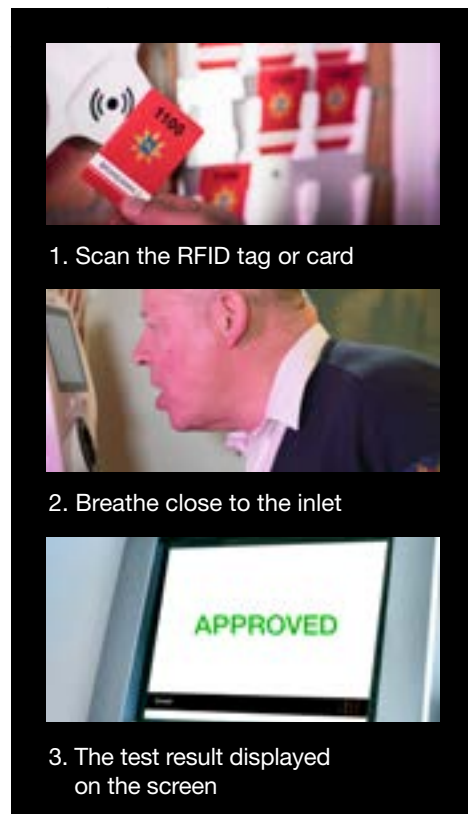


## No touch

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

### A safer workplace

If maximising safety is your priority, why rely on the limited deterrence of occasional random testing?

Senseair Safe Start uses a zero tolerance limit and 100% testing to promote a sober workplace.

## 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.

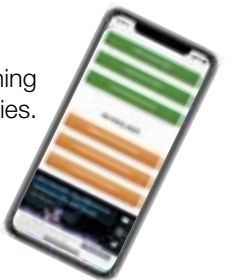


## Check in as a function

When your staff checks in, they can do so as a function, on a ferry boat the cards can be marked as Captain, Decks hand etc.

## E-learning

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



## Possibility to upgrade

If the organization grows and there is a need to identify each person you can upgrade to Safe Start Flex, by doing so you can administrate according to policy and to whom an alarm shall be sent.



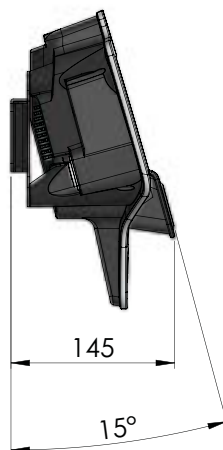
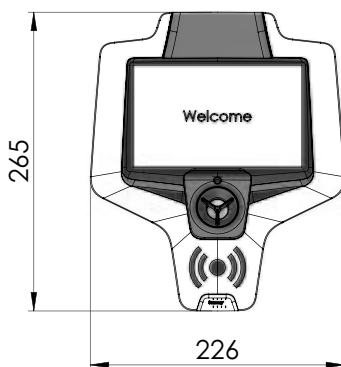
Compare the efficiency of Safe Start with traditional breath test.





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	Only offered in Safe Start Flex and Fleet
Alarm functions	Only offered in Safe Start Flex and Fleet
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

Senseair Safe Start 1.5



## Features

- Fast 9 sec/test
- Contactless - no mouthpiece required
- “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