Senseair Safestart Fleet

Automated Alcohol Screening

Features.

· Contactless / Touch-free. No mouthpiece required.

· Web-based interface for administration/management analysis and reporting.

· Programmable real-time alerts: E-mail and text messages.

· Ability to restrict use to identified users only.

· Scalable capabilities.

· Single annual service, irrespective of througput.

· Alcohol limit set for zero tolerance testing.

· Configurable Safe Time for accessing the whole fleet with one test.

· Remote bypass is possible.

Our most complete package.

Senseair Go

At the core of the Senseair Safe Start Fleet solution you will find Senseair Go, the future of alcohol screening technology.

Touch free

Senseair Safe Start enables alcohol screening of all safety sensitive personnel on a daily basis. Our unique NDIR technology allows for contactless assessment (no mouthpiece required) and a quick and easy process.

100% testing

If maximising safety is your priority, why rely on occasional random testing?

Senseair Safe Start is fast and efficient, allowing for testing of every single individual in the workforce. Installing Senseair Go in vehicles ensures peace of mind knowing all vehicles are driven safely.

Hygienic

The use of a tracer gas (carbon dioxide) allows accurate alcohol screening without mouthpiece. Instead on relying upon expendable mouthpieces, the user simply exhales towards the inlet from a distance.

An inbuilt fan ensures a constant flow of air from the front of the inlet to an exhaust outlet, making sure a single puff of air is all you need to exhale. This airflow also clears the sensor chamber of any residual alcohol or potential airborne contamination before each new sample.

Identified usage

With Safe Start Fleet it is possible to ensure that only identified users perform tests on Senseair Wall. All persons are registered via personal RFID cards or tags.

Sober check-in system

Safe Start Fleet can be adapted to send information to your administrative system using specified protocols. This enables you to have automated sober check-in or other automated features relevant for your operations.

Our stationary unit

Senseair Wall
The stationary wall unit can be placed at key check-in points to allow for maximum efficiency and throughput of personnel.

The dashboard.

Meet the brains

The brains of the Senseair Safe Start Fleet solution is the web based platform we call the Dashboard.
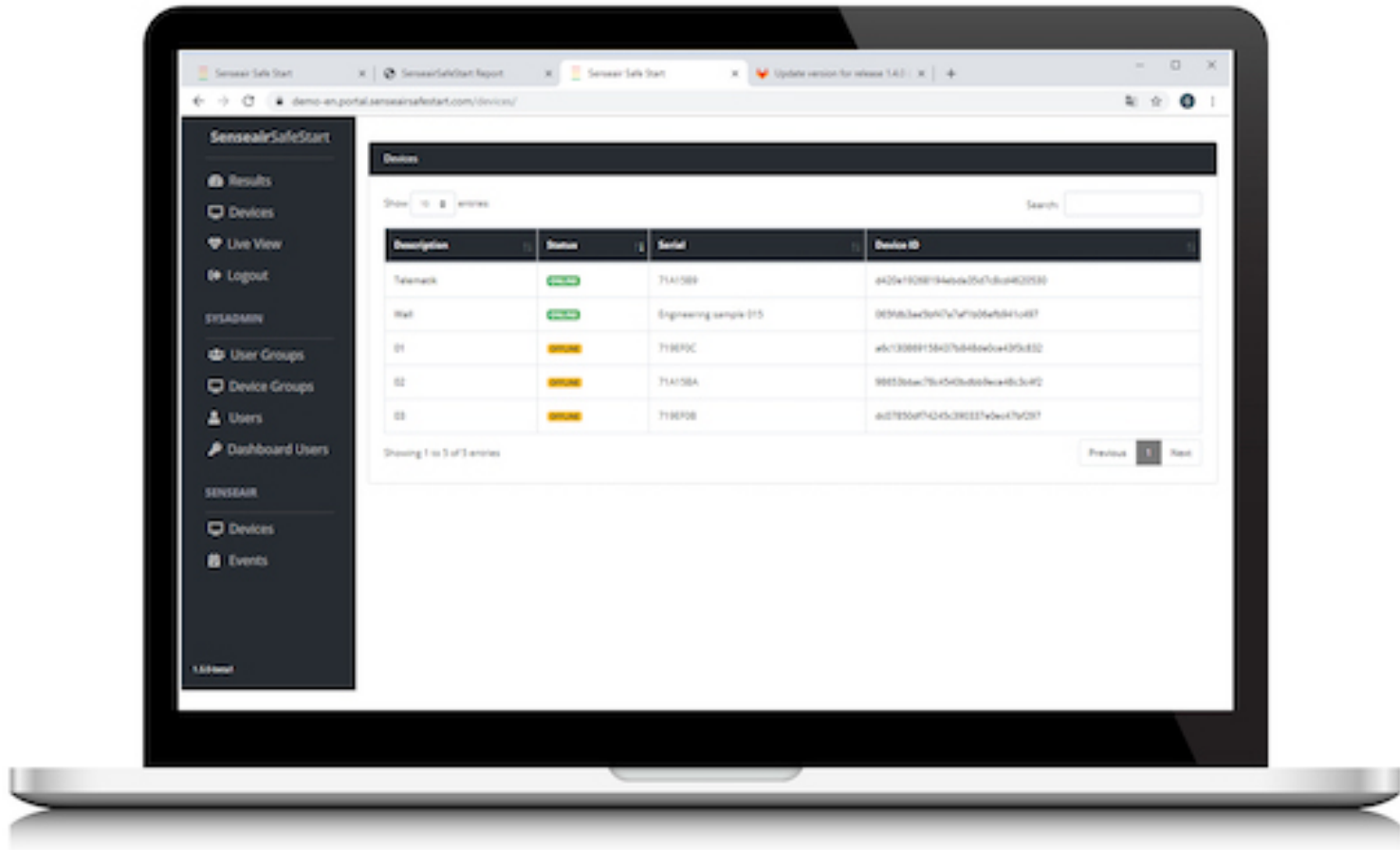
This is where you can administer all connected units, get reports and set up profiles for your employees. Networking multiple units together allow complete testing in high volume environments.

Safe time

One feature in Safe Start Fleet is what we call "Safe time". This ensures that a driver or employee only has to do one screening every X hour, the frequency being defined by company policy.

Failed Screening

Any positive alcohol tests in Safe Start Fleet is sent to Senseair Dashboard for review. Authorized staff can configure notification recipients and privacy settings.

Safe time in practice

Step 1
Driver checks in using RFID either at the vehicle using the Go or at a central location using the Wall.

Step 2
The result is stored in the cloud and gives the driver i.e. 4 hours before the next test.

Step 3
The driver parks the vehicle after 2 hours to take a break. When back from the break, the driver is assigned another vehicle. But this time the driver only has to sign in with RFID.

Step 4
Behind the scenes, the Senseair Safe Start system identifies the profile that just signed in and can see that there are still 2 hours left before the next screening has to take place for this driver, regardless of vehicle.

Technical specifications.

Senseair Go

Operating temperature	-40 to +85 °C
Storage temperature	0 to +40 °C
Area of use	Designed for in-vehicle use
Sensor	NDIR
Measurement method	Contacless / Touch-free
RFID–reader	Built-in MIFARE Classic. Electro Marine (EM4102) with use of an external module.
Network	1 x M12 100Mb/s
Administrative functions	Web-based interface
Alarm functions	E-mail / text messages / Live View
Relay output	3 x mechanical relays used for locking function
Input signal	3 x GPIO
Weight, (complete alcolock system)	Approx 1.0 kg (approx. 2,2 lbs)
Dimensions	Hand held unit: 220 x 80 x 45 mm Access box: 220 x 95 x 30 mm
Screen Size	2,4 inch
Power supply	12V/24V, DC
Power consumption	Peak 120W, steady state 6W
Alcohol interlock standard	Performance according to SAE-J3214
EMC	E-mark
Service interval	12 months

Senseair Wall

Operating temperature	+0 to +40 °C
Storage temperature	-15 to +70 °C
Area of use	Indoors up to 2000 m altitude
Installation	Wall mounted
Sensor	Infrared optical sensor
Measurement method	Contactless / Touch-free (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	E-mail / text messages / Live view
Relay output	Pulsed at negative and positive test (optional). 30 V, 2A
Input signal	Pulsed 24V DC signal starts test (optional)
Weight	Approx. 2.0 kg, including power supply
Dimensions	306 X 216 X 155 mm, excluding power supply
Screen Size	7 inches
Power supply	100-230 V, 50/60 Hz
Maximum power consumption	50W
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 interval	12 months

Contact.

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