

BIO-BREATH

Access Control Breathalyzer

OVERVIEW

The Bio-Breath Access Control Breathalyzer offers an Android based operating system with state of the art features.

The Bio-Breath offers Wi-Fi capability for remote software updates. The on-screen display allows playback of safety awareness videos or product presentations.

The Bio-Breath can be used as a stand-alone self tester or integrated into an access control system for identification and recording results against an individual.

Bio-Breath communication options:

- Output relay contact for open or close signal upon "Pass" test result,
- RS232 serial communication to transmit an "alcohol test fail" signal, and receiving an input signal upon successful user identification via access controlled application.



Alcohol Detection



Facial Recognition



Card Recognition



Wi-Fi Enabled

Optional: external Wiegand converter with I/O Expander – if the access control system doesn't support RS232 serial output communication, the Wiegand Expander module converts the existing RS232 serial outputs into relay trigger outputs for "Ready", "Fail" or "Pass" signals which makes it compatible with a variety of access control systems.

Sensor

Electrochemical Fuel Cell

Operating System

Android



Memory Capacity	8GB
Test Record Memory	20,000 tests
Working Temperature	-10°C to 50°C
Storage Temperature	-20°C to 50°C
Humidity	20% to 95%
Size	20cm x 24cm x 11cm
Weight	1588g
Power Supply	AC 100-240V 50-60Hz DC12V 3A
Response Time	5 seconds
Sampling System	Automatically takes deep lung sample
Units of Measure	BrAC: mg/L BAC: grm%, mg/mL, mg/100ml
Detection Range	0.00% BAC to 0.40% BAC
Accuracy	0 – 0,10% BrAC +/-5% 0.10 - 0.15% BrAC +/-8% >0.15% +/-10%
Module	Replaceable alcohol testing module for onsite replacement
Sample Time	4 seconds continuous breath sample
Recovery Time	30 seconds after positive test
Access Control Communication	<ul style="list-style-type: none"> • Output Relay with N/O and N/C • RS232 Serial Communication for “Fail Alcohol Test” and “Success Signal” once Subject Identifies via Access Control Software • Optional Wiegand Converter with I/O Expander
Connection Port	USB
Network	Wi-Fi, 4G (optional), Ethernet
NFC	Support

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