

Handheld Breath Alcohol Testers

ALC-213 · ALC-213Pro · ALC-215 — published specification, ALCOKSON by Springsky Industrial Ltd

Breath Alcohol Tester ALC-213

The ALC-213 is a handheld fuel cell breath alcohol tester designed for pre-shift screening at gates and checkpoints where rapid, accurate results are needed. It uses an electrochemical fuel cell sensor that responds specifically to ethanol, avoiding false positives from acetone, tobacco smoke, or fuel vapour. Testing requires a single button press: power on, wait for the 10 to 15 second warm up, blow for about 6 seconds at roughly 10 L/min, and read the result in extended accuracy format on the 4 digit LCD within 10 seconds. The device is calibrated to be accurate at 0.008% and 0.032% BAC, with accuracy not established above 0.032% BAC. This matters when writing a screening procedure that

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Sensor	Electrochemical fuel cell sensor
Accuracy	+/-0.005% at 0.05% BAC
Established Range	0.008% to 0.032% BAC
Display	4 digit LCD, extended accuracy format
Warm Up Time	10-15 seconds
Testing Time	10 seconds
Blowing Time	About 6 seconds
Blowing Flow	About 10 L/min
Repeat Test Interval	Less than 60 seconds
Memory	Last 5 records
Alarm Points	0.02%, 0.05% or 0.08%, set by service centre
Power	2 x AAA 1.5V batteries
Recalibration	Every 500 tests or 1 year
Operating Temperature	10-40 C
Storage Temperature	0-50 C
Included	5 mouthpieces

Key points

- One button operation means no training is needed for gate guards or shift supervisors
- Fuel cell sensor responds to ethanol only, not to acetone, tobacco smoke, or fuel vapour
- Result appears in under 10 seconds, keeping shift queues moving
- Alarm point is set at the service centre to 0.02%, 0.05%, or 0.08% to match local limits
- Audible alert and LCD colour change flag a positive result without reading digits
- Recalibration every 500 tests or 12 months keeps readings traceable and defensible

Breath Alcohol Tester ALC-213Pro

The ALC-213Pro is a handheld fuel cell breath alcohol tester with the same electrochemical sensor and performance specification as the ALC-213. It differs only in housing and finish. It is designed for use in pre-shift screening where one operator tests a queue of people quickly. The device uses a fuel cell sensor that responds to ethanol specifically, not to acetone, tobacco smoke or fuel vapour. Testing is a single button press: the unit warms up in 10 to 15 seconds, the subject blows for about 6 seconds at roughly 10 L/min, and a 4 digit LCD shows the result in extended accuracy format in under 10 seconds. Accuracy is stated as plus or minus 0.005 percent at 0.05 percent BAC, and the devi

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Accuracy	+/-0.005% at 0.05% BAC
Established Range	0.008% to 0.032% BAC
Display	4 digit LCD, extended accuracy format
Warm Up Time	10-15 seconds
Testing Time	10 seconds
Blowing Time	About 6 seconds
Blowing Flow	About 10 L/min
Repeat Test Interval	Less than 60 seconds
Memory	Last 5 records
Alarm Points	0.02%, 0.05% or 0.08%, set by service centre
Power	2 x AAA 1.5V batteries
Recalibration	Every 500 tests or 1 year
Operating Temperature	10-40 C
Storage Temperature	0-50 C
Included	5 mouthpieces

Key points

- Same sensor and specification set as the ALC-213, so calibration and maintenance schedules are identical across both models
- One button operation means gate guards and shift supervisors need no instrument training
- Fuel cell sensor responds to ethanol rather than to acetone tobacco smoke or fuel vapour
- Result in under 10 seconds keeps a shift start queue moving instead of stalling it
- Alarm point is set at the service centre to 0.02 0.05 or 0.08 percent to match local limits
- Audible alert and LCD colour change flag a positive result without the operator reading digits

Breath Alcohol Tester ALC-215

The ALC-215 is a handheld fuel cell breath alcohol tester designed for traffic police, road safety agencies, and checkpoint operators conducting high-volume screening of drivers in open air at night. It uses an electrochemical fuel cell sensor to detect ethanol specifically, avoiding false positives from mouth alcohol, tobacco smoke, or fuel vapour. One-button operation allows a single hand to manage the device while holding a torch. The 4 digit LCD display shows results in extended accuracy format within 10 seconds after a 6 second blow at approximately 10 L/min. The unit warms up in 10 to 15 seconds and displays HI if the reading exceeds the range. Accuracy is established at 0.008% and 0.0

Sensor	Electrochemical fuel cell sensor
Accuracy	+/-0.005% at 0.05% BAC
Established Range	0.008% to 0.032% BAC
Display	4 digit LCD, extended accuracy format
Warm Up Time	10-15 seconds
Testing Time	10 seconds
Blowing Time	About 6 seconds
Blowing Flow	About 10 L/min
Repeat Test Interval	Less than 60 seconds
Memory	Last 5 records
Alarm Points	0.02%, 0.05%, or 0.08%, set by service centre
Power	2 x AAA 1.5V batteries
Recalibration	Every 500 tests or 1 year
Operating Temperature	10-40 C
Storage Temperature	0-50 C
Included	5 mouthpieces

Key points

- One-button operation allows a single hand to manage the device while holding a torch during night checks
- Crisp 4 digit LCD display is readable in low light conditions at a distance
- Electrochemical fuel cell sensor responds only to ethanol, not to acetone, tobacco smoke or fuel vapour
- Result appears in under 10 seconds after a 6 second blow at 10 L/min, keeping queue throughput high
- Alarm point is set at the service centre to match local legal limits of 0.02%, 0.05%, or 0.08%
- Audible alert and LCD colour change flag a positive result without requiring the operator to read digits

Ordering

Tell us the destination market and the quantity. The alarm point and display units are set before shipment, so units arrive configured for the limit that applies at your site. Minimum order quantity, lead time and calibration route are confirmed in writing when we quote.

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Figures in this sheet are the values published for these models. Where a model has no published specification the datasheet is issued per enquiry. Minimum order quantity, lead time and price are confirmed in writing per order.