

ATEQ

Measurement Solutions,
Global Leader.

ateq.com



ATEQ EV INSTRUMENTATION

ATEQ offers many leak, flow and battery testing instruments for quality testing components on electric vehicles. Whether you produce electric cars, buses, bikes or planes, we can test your components at every step of production to make sure your customers are getting safe, reliable products.

"To be a passionate global leader of innovative measurement solutions by providing premium testing equipment and unsurpassed services to our valued customers and partners."



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Leak/Flow Detection
We test, You produce.



EVB 5100 EV/HEV - BATTERY MODULE BALANCER

Ideal for rework stations on EV vehicle production lines, the **EVB 5100** Battery Module Balancing Machine uses the most efficient technologies to equalize voltage differences between modules. Its wide operating range and customization capabilities, makes the **EVB 5100** compatible with all EV/HEV batteries on the market.

- ✓ IDEAL FOR REWORK STATIONS ON EV-VEHICLE PRODUCTION LINES EQUALIZES
- ✓ VOLTAGE DIFFERENCES BETWEEN MODULES
- ✓ ADAPTABLE TO ALL EV/HEV BATTERIES ON THE MARKET

— EVB 5100 FEATURES

1. Battery balancing (charging, discharging) and temperature monitoring for EV/HEV modules
2. Wide balancing range: In charge 60V-50A/150V-20A, in discharge max 3000W
3. Easily configurable target values, voltage and current thresholds
4. Cloud-based platform for data collection, real-time monitoring and reporting
5. Monitoring connectors perform voltage/temperature surveillance of each internal cell
6. Integrates a module database for easy reference selection
7. Fully secure operation and shut down in case of anomaly, thanks to automated security checks
8. Futureproof: exchangeable power charger modules and connectors
9. Worldwide support through ATEQ subsidiaries and local agents in 32 countries"

"If you have particular specifications, please contact your ATEQ representative : we will study it under request"

EVB5100



EASY OPERATION FEATURES



- Measurement board
- Electric actuators
- Front handles
- 7" color screen
- USB port
- Drawers
- Wheels



Leak/Flow Detection
We test, You produce.



F620LV LEAK TESTER FOR LARGE VOLUMES

F620LV is a breakthrough instrument able to leak test very large volumes with DNC technology (up to 200L) using a new patented technology (Based on Pressure Decay) thanks to the high sensitivity of our latest pressure transducer.

- ✓ FAST AND FLEXIBLE DATA HANDLING
- ✓ EASY AND QUICK INTEGRATION
- ✓ EASY NETWORKING DEVICES
- ✓ NEW DIFFERENTIAL SENSOR



— APPLICATIONS

Parts with very large volumes such as tanks, electrical car batteries...



ACCESSORIES

Winatq300 - F620LV Control Interface



Master Leak



Master Leak Plastic Box





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F670LV LEAK TESTER FOR LARGE VOLUMES

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- ✓ EASY NETWORKING DEVICES
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APPLICATIONS

Parts with very large volumes such as tanks, electrical car batteries...



ACCESSORIES

Winateq300 - F670LV Control Interface



Master Leak



Master Leak Plastic Box



FP726-LV LARGE VOLUME LEAK TESTER



- ✓ Autonomous leak tester for EV/HEV battery packs (cooling system & housing)
- ✓ Capability to detect a leak of 10 cc/min on 300 liters volume in less than 10 minutes
- ✓ Complete traceability with test method and results based on industry standards
ΔP (Pa, 1/10 Pa) Flow units (sccm, cm3/min)
- ✓ Self pressure/vacuum generation (only need a 110/220V AC input)
- ✓ Intuitive user friendly interface with Icon driven menu for easy navigation
- ✓ Exportable service records

FP726-LV FEATURES

1. The most advanced and accurate leak tester dedicated to the EV/HEV service environment
2. Fully secured system with embedded battery pack protections (hardware & software)
3. Embedded database (battery types, parameters & thresholds)
4. Complete traceability with test reports storage capability on the tool and Argos Cloud database
5. Self generating system:
Pressure: 3 bar/43.5 psi (max)
Vacuum: -1 bar/-14.5 psi (max)
6. Hydrogen Detection Range: 1.10-4 mbar l/s to 2.10-2 mbar l/s
7. Smoke generation

FP726-LV



- 7in. Color Touch Screen Display with Icon Based Menu
- USB Port for update
- Anodized aluminum body with metal handle
- Storage Hooks
- Test Output Port





Leak/Flow Detection
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H6000 HYDROGEN PORTABLE LEAK TESTER FOR FINE LEAK DETECTION

The H6000, a new comer in the ATEQ range of leak detectors, is one of the finest gas tracer and hydrogen leak detectors on the market today. This gas is less expensive than Helium gas.

- ✓ COST EFFECTIVE SOLUTION
- ✓ VOLATILE GAS WITH LOW VISCOSITY
- ✓ INDEPENDANT OF TEST VOLUME AND TEMPERATURE
- ✓ LEAK LOCALIZATION

— COMPACT GAS TRACER

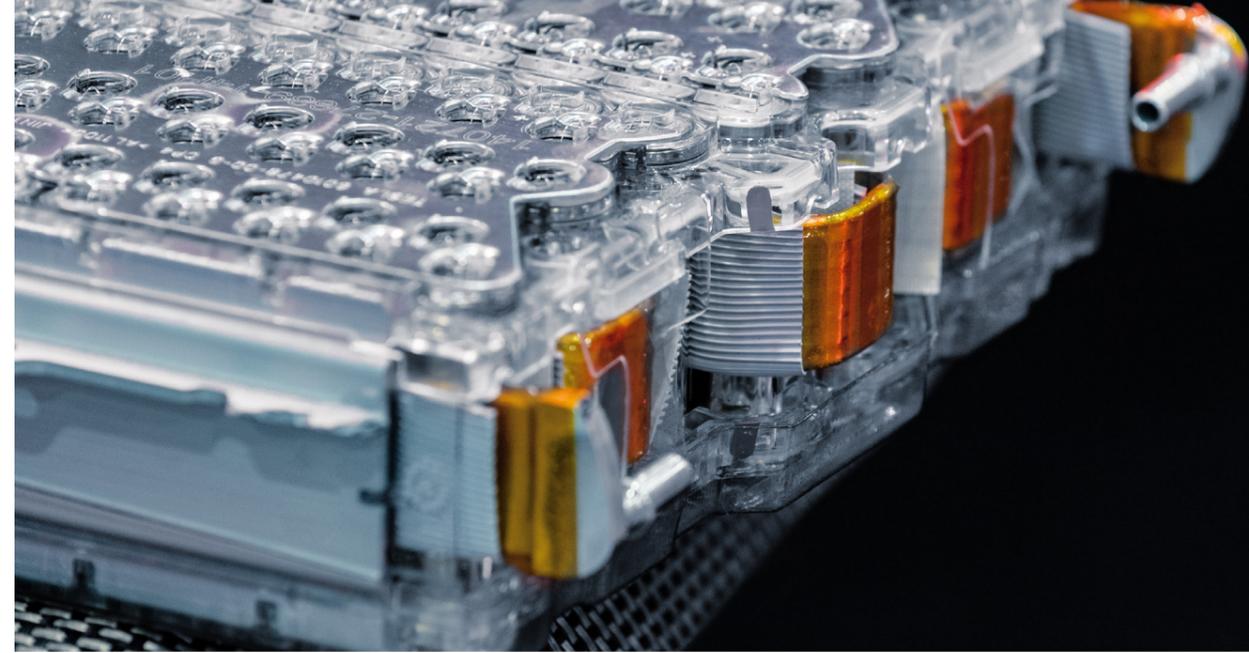
Furthermore, it's a volatile, non-toxic and non-poisonous gas with any environmental impact. The H6000 is equipped with all features for easy integration in industrial process and laboratory one.

The ATEQ H6000 Portable or Fixed is a compact gas tracer leak detector. The Fixed version is to install on machines or on work station. The Portable version can be handled by the user to detect leaks on any area. The used gas is hydrogen in nitrogen (H₂N₂). The concentration should not exceed 5%.

OUR RECOMMENDED PRODUCTS



H6000



IONIQ LEAK TESTER FOR HIGH VOLUME PRODUCTION PRODUCTION BATTERY POUCH CELL TESTING



- ✓ 1 TO 3 SIMULTANEOUS TEST CHANNELS
- ✓ DISPLAY 1 TO 3 CHANNELS
- ✓ EAU, HUILE ET CIRCUIT
- ✓ FOR INDUSTRIAL LINE AND LABORATORY

— FOR HIGH VOLUME PRODUCTION

On the basis of its well proven concept of production line QC Testers, ATEQ has developed a new leak tester designed for the specific requirements of high volume production of plastic parts. This instrument is used for the detection of localized moulding faults, insufficient membrane thickness, perforations, etc. This instrument has also proven to be effective on testing pouch battery cells.

The IONIQ is based on discharge current measurement and is able to detect defects up to of

OUR RECOMMENDED PRODUCTS

IONIQ

Test of a good part

Test of a bad part

Test of a good part

Reference reject

No discharge current

Part

Ground fixture

Test of a bad part

Reference reject

Discharge current

Defect





EDUCATIONAL LEAK TESTING RESOURCES

ATEQ's Leak Testing Academy is committed to providing educational industrial leak testing information through training courses, white papers, articles, videos and application studies.

— CALCULATOR

Our Leak Calculator simulates gas and liquid flow across an orifice given its approximate geometry, integrating laminar, turbulent and sonic regime contributions as well as membrane tension blocking. Please contact ATEQ's worldwide support team for a consultation to plan a custom leak testing solution.

— GLOSSARY

- How does volume relate to a pressure in the leak testing industry ?
- What values are typically considered low and high in the leak testing industry ?
- How does a differential pressure sensor bend to show if the test or reference part is leaking ?
- A question ? ATEQ has the answer !

— WHITE PAPERS

These articles, written by our technical expert, are designed to assist people in their leak & flow testing procedure. For mechanical engineers, quality engineers, management and those whose goal is to detect leaks, avoid unnecessary production cost and anticipate process adjustments for maximum yield...



LEAK TESTING ACADEMY RESOURCES

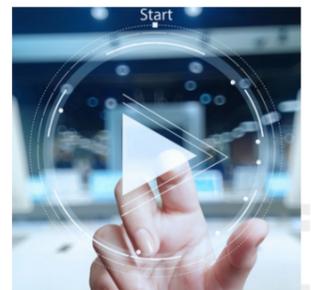
— VIDEOS

Need Help?
Check out our video tutorials.
Our Leak & Flow testing videos are a series of videos explaining how different industrial leak testing methods works and when they should be used.

— BROCHURES

Here are some resources that can help you determine the best leak detection equipment for your specific application requirements. Choose from the following product files to download information about our leak testing products. These brochures include specifications and other information about ATEQ leak and flow instruments.

CONTACT YOUR LOCAL ATEQ OFFICE
for information about training courses.





ATEQ strives to continuously improve the industrial ecosystem through respect, integrity, security, green technologies and the use of materials and recyclable components.



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