



Measurement Solutions,  
**Global Leader.**

# ATEQ - ELECTRONIC

Since electronics have completely transformed the way our society operates in the 21<sup>st</sup> century, it should not surprise anyone that our waterproofing capabilities continues to advance as well. It's been less than 10 years since the first release of waterproof cell phones. Now, it has nearly become the societal standard to carry a waterproof/water-resistant cell phone. At ATEQ, we carry the technology that can determine whether your product is waterproof, sealed properly, and capable of keeping dust out.

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





## ELECTRONIC APPLICATIONS

At ATEQ, we can help your company attain the proper IP certification for your products.

Our electronic waterproof testing will identify if your product meets the IP testing standards, and we can suggest improvements you can make with proper gaskets, casings, and enclosures.

Installing rigid gaskets, for example, will provide more protection against dust, water, and other foreign objects.

### F620

By far the most popular technology, differential pressure decay uses a reference volume to test your part. This helps compensate for any ambient pressure or temperature variations as they occur on both parts simultaneously.

Only a leak on the test part will result in a movement of our transducer's membrane.

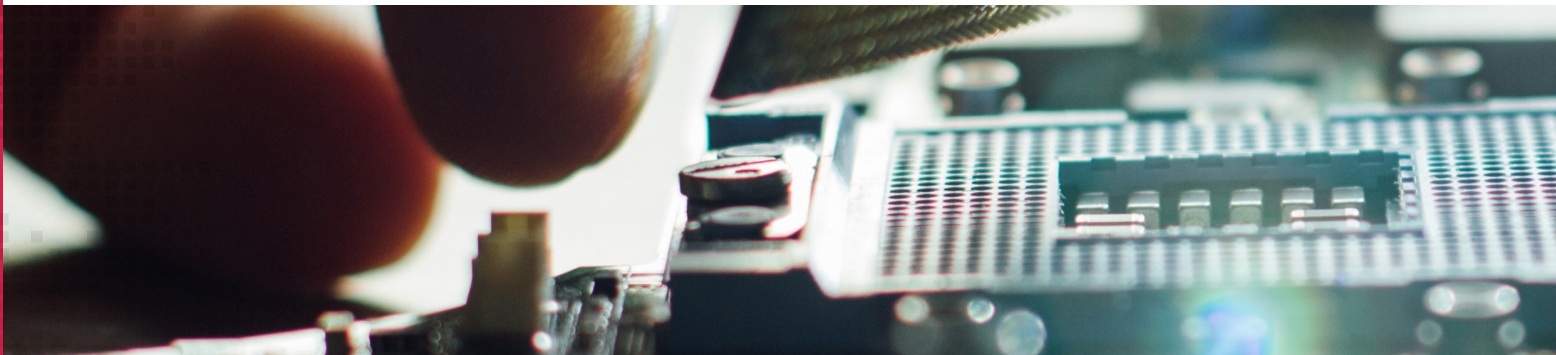
#### — F620 FEATURES

- ✓ Differential pressure decay leak measurement
- ✓ Large range of leak measurement ( P ) F.S.: 20Pa, 50 Δ
- ✓ Pa, 500 Pa or 5000 Pa
- ✓ Mechanical or electronic regulator from vacuum to 20 bar
- ✓ 128 programs
- ✓ Setting on line (via USB)
- ✓ 2 languages (English + other one)
- ✓ Manual calibration on front panel with calibrated leak
- ✓ Data storage on internal memory or USB key



### F620

- + Large color display
- + Maximum performance
- + Multiple communication







## D620

Sometimes a leak can be considered as a "small flow", or a flow as a "big leak". When your reject level is too high for other technologies, it may be necessary to use a laminar flow tester. A flow takes place between the pressure line and the leak hole of the part.

Our instrument features a laminar flow element across which our differential pressure transducer is connected.

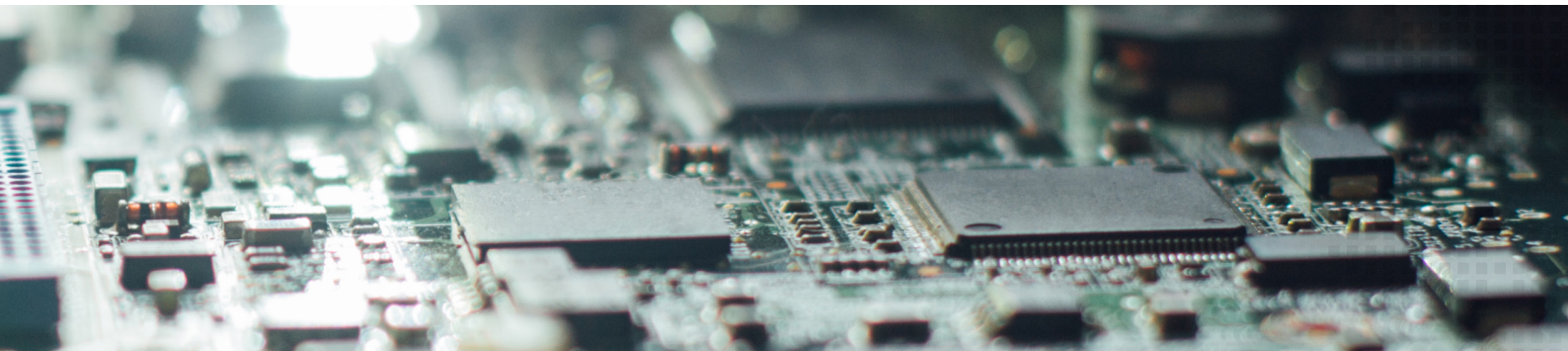
### — D620 FEATURES

- ✓ Flow measurement in direct or indirect testing
- ✓ Continuous measuring mode
- ✓ Wide flow measurement range
- ✓ USA, S.I. and customer units
- ✓ Measurement in standard or customised conditions
- ✓ Recalculated flow at the nominal pressure
- ✓ Measurement element fully integrated into one module
- ✓ 128 programs
- ✓ Mechanical or electronic regulator from vacuum to 10 bar
- ✓ Setting on line (via USB)
- ✓ 2 languages (English + other one)
- ✓ Manual calibration on front panel with calibrated leak
- ✓ Data storage on internal memory or USB key



### D620

- + Large color display
- + Maximum performance
- + Multiple communication





## F28+

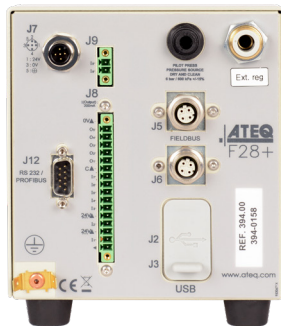
The new innovative tester, made by ATEQ, elevates the leak test to a whole new level of speed, flexibility and accuracy.

You can easily supervise it with a touch-screen panel + our user friendly interface: winateq 300.

Adapted for manual, semi-automatic and fully automated leak testing, the F28+ has a full range of specifications at a very competitive price.

### — F28+ FEATURES

- ✓ Differential pressure decay leak measurement: vacuum to 20 bar
- ✓ Multi-test leak tester
- ✓ 128 programs
- ✓ Integrated fill and dump valves
- ✓ Optional auto fill: Vacuum - 500 mbar - 5 bar - 9 bar (inside the module)
- ✓ Flexible communication format: Bar code reader, RS232, USB
- ✓ Date storage on internal memory or USB key
- ✓ Modules network (ethernet interface)



## F28+

- + Fast and flexible data handling
- + Easy and quick integration
- + Easy networking devices







## H6000

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.

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

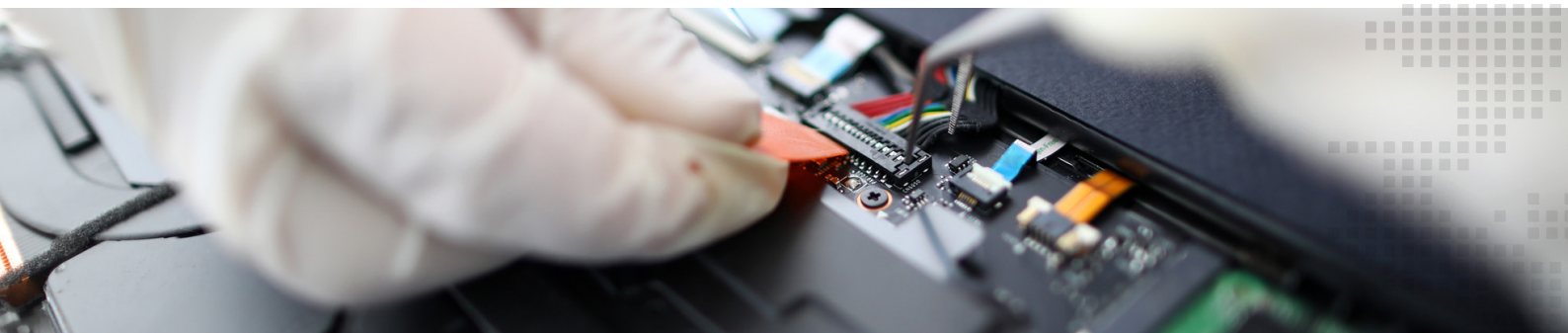
### — H6000 FEATURES

- ✓ Generated Suction Flow control
- ✓ Internal memory: 2 Go
- ✓ Visual (red/green leds) and audible signal for results
- ✓ USB port
- ✓ Bag for H6000
- ✓ H6000 fixed
  - Voltage 60 W – 50/60 Hz – 90/260 V AC
  - Relay board 5 inputs/ 7 outputs
- ✓ H6000 portable (autonomy 8 hour) lithium battery
  - 12 VDC – 4400 mA/h
  - Easy removable battery pack
  - Supplied with 2 batteries
- ✓ Detection of leaking gas traces
- ✓ Range: 1.10<sup>-4</sup> mbar l/s to 2.10<sup>-2</sup> mbar l/s
- ✓ 128 programs
- ✓ IP 54 protection



## H6000

- + Cost effective solution
- + Volatile gas with low
- + Viscosity
- + Independent of test volume and temperature
- + Leak localization



## IONIQ 20



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.

The IONIQ is based on discharge current measurement and is able to detect defects up to of 10µm.

### — IONIQ 20 FEATURES

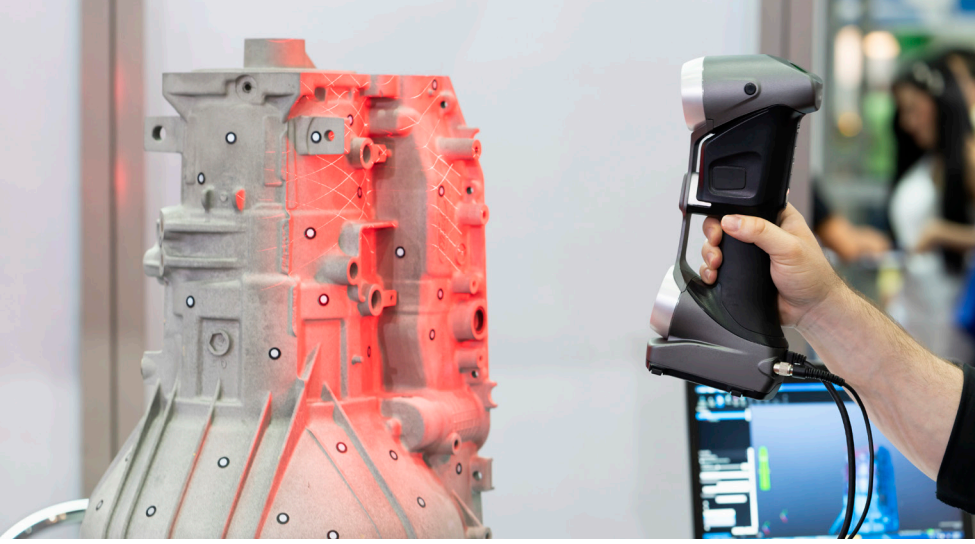
- ✓ Integrated ionising high voltage generator (5 to 27.3 kV)
- ✓ Reject levels as % of nominal voltage (0 to 100%)
- ✓ Monitoring and protection of high voltage generator
- ✓ Limitation of the current rating
- ✓ Speed: Minimum cycle time 0.6s
- ✓ I/O's for instrument control and results
- ✓ 32 programs
- ✓ Remote control allows the test module to be closed to the test part
- ✓ And: Language selection, customization of test ...



## IONIQ 20

- + 1 to 3 simultaneous test channels
- + Display 1 to 3 channels
- + For industrial line and laboratory



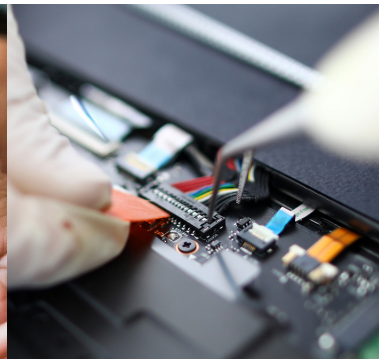


## TYPES OF TESTS & TESTED PARTS



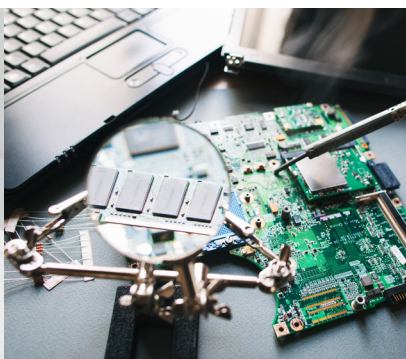
### — LEAK TEST

- Electronic components for aerospace
- Television and computer screens
- Camera and camera lens
- Hard disk
- Watches
- Dive computer
- Electronic connectors



### — ELECTRICAL TEST & MULTI-TESTS

Any household appliance.





## 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 world-wide 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...







## EDUCATIONAL LEAK TESTING **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

### — **BROCHURES**

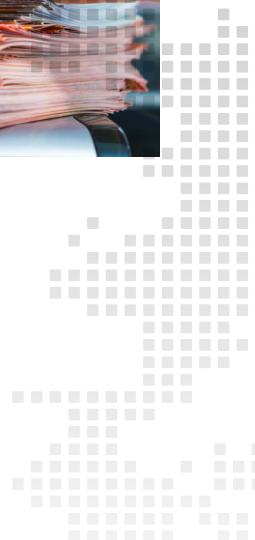
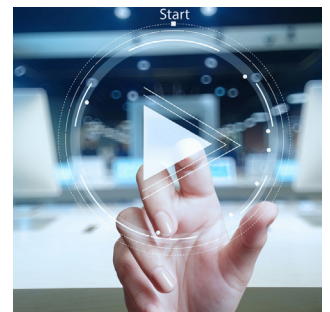
Here are some resources that can help you determine the best leak detection equipment for your specific application requirements. Choose from the following product files to download information about our leak testing products. These brochures include specifications and other information about ATEQ leak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

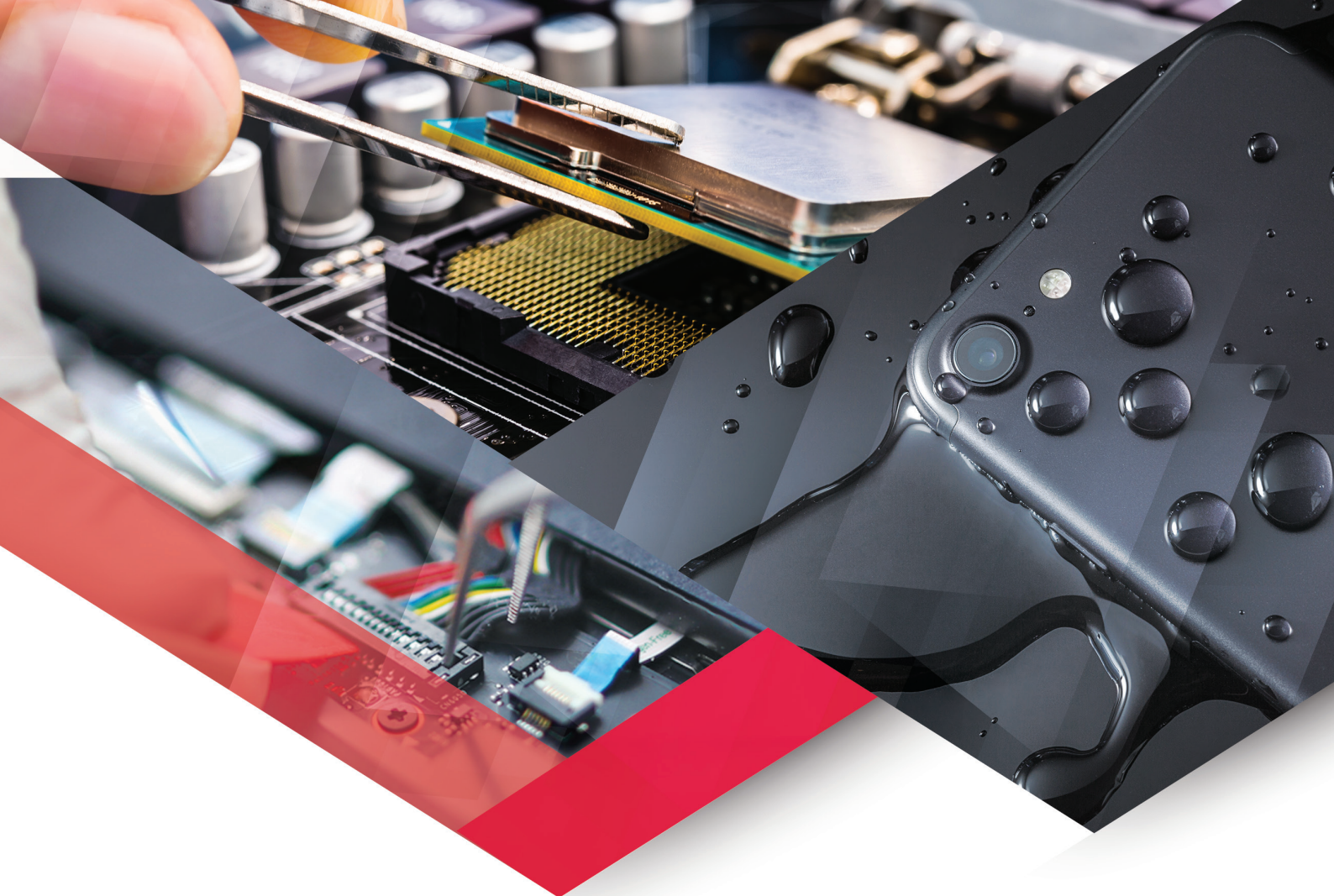
Learn the answers to these questions and more from ATEQ's Leak Testing Academy.

**ATEQ has the answer!**

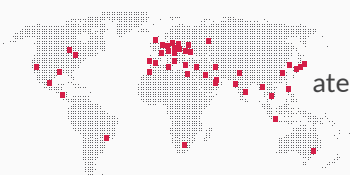
Visit [ateq.com](http://ateq.com) for white papers, videos and more educational content.

**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.



[ateq.com](http://ateq.com)

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