

AGILEAK

LEAKAGE AND INTEGRITY TESTER FOR PACKAGING



**WELD RESISTANCE,
BUBBLE TEST,
METHYLENE BLUE TEST**



LEAKAGE AND INTEGRITY TESTER FOR PACKAGING AGILEAK



FONCTION

Vacuum leak detector for industrial packaging.

The AgiLeak is a new-generation device featuring a transparent Plexiglas housing connected to a touch-sensitive control unit. It measures the resistance of welded seams by means of vacuum, enabling localized leak detection on many types of packaging (flexible, semi-rigid and rigid). In fact, this ultra-fast test is proving indispensable in a wide range of sectors, including cosmetics, pharmaceuticals (to ensure product sterility), food processing (food safety) and aeronautics (to ensure the integrity of electronic products).

14 boxes sizes
100 %
TRANSPARENT

Data Integrity,
traceability and
communication



programs and
unlimited products
(test models,
standards)



STANDARD PACKAGING:

- Flexible, semi-rigid and rigid packaging



Intuitive and
ergonomic menu
for a quick start





BENEFITS:

- Designed for many types of tests (bubble test, altitude, explosion, ASTM or ISO standards)
- Ultra resistant 100% transparent boxes
- 11 sizes available (boxes and cabinets)
- Numerous arrangements allowing time saving and ergonomics for users
- Traceability and validation of test conformity; Management of batch numbers; User identification with access limits
- Data integrity: advanced result analysis/export (USB, TCP/IP)
- Simultaneous depression graph of the test
- Detachable control box for easy service or remote for hostile or crowded environments

FEATURES:

- Touch screen with intuitive interface (designed to be taken in hand in less than 5 minutes without instructions)
- Conforms to ASTM and ISO standards
- QC/QI/QO/QP/QM available
- Self-diagnosis capability (sensor drift,...)
- Pressure sensor accurate to 1 mbar





EXTENSIVE TESTING POSSIBILITIES



LEAK TEST

Leak testing of your rigid packaging (e.g. perfume bottles) or by Bubble Test for packaging containing air, by the Quickstart function (programmed vacuum and time).



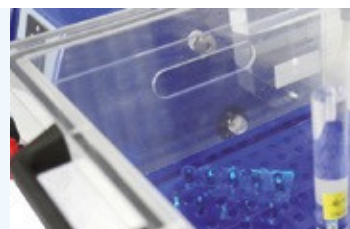
RESISTANCE TEST

Proof your packaging with the Cycle function to test the integrity of your packaging.



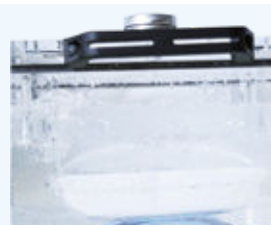
TESTED ACCORDING TO ISO & ASTM STANDARDS

Follow step by step the protocol of the standards, whose models are integrated in the equipment (ex: methylene blue test, altitude test, integrity test, bubble test, etc.)
- ASTM 3078, ASTM 4991, ASTM 6653, IATA



EXPLOSION TEST

Automatically detect the explosion threshold or the rupture of your flexible packaging.



ADVANCED TEST

Cycle repetition, flight simulation, complex programs with descent control speed in depression...



CUSTOMIZED TEST

The Agileak can integrate a program developed specifically for the customer (e.g.: internal test protocol of a manufacturer deployable on all production sites by source file on USB key).

	Autonomous (with vacuum pump)	Immersion: bubble blue test	Dry test	Standards	Energy	Maximal depression
AGILEAK		X	X	ASTM 3078 ASTM 4991	Compressed air	- 850 mBar
AGILEAK-P	X	X	X	ASTM 3078 ASTM 4991 IATA	Vacuum pump external	- 950 mBar (or more)

Useful dimensions of the box* (mm)	Name of the model	Box	Cabinet	Immersion model	Cart on request	Raise-lowering assistance cylinder
W300xD300xH400	A1		X		X	
W400xD400xH400	A2		X		X	
W500xD450xH500	A3				X	
W250xD200xH150	C1	X		X		
W350xD250xH80	C2	X				
W350xD250xH150	C3	X		X		
W350xD250xH250	C4	X		X		X
W450xD350xH100	C5	X			X	X
W450xD350xH150	C6	X		X	X	X
W450xD350xH200	C7	X		X	X	X
W450xD350xH300	C8	X		X	X	X
W500xD400xH100	C9	X			X	X
W500xD400xH200	C10	X		X	X	X
W500xD400xH300	C11	X		X	X	X

*Custom sizes possible up to 0.8 m3

EXAMPLE OF A LAYOUT FOR IMMERSION:

Presser/Tank/Partitioning/Liftingcylinderwithbaskets/ Triple stage



Triple deck
basket
with suspension
on cleat out of
water after test



Drawer
arrangement on
pneumatic

SPECIFIC APPLICATION:



Complete system housing + pump/debris meter for treatment of an air leak



Basket on pneumatic cylinder for non destructive immersion test

	Venturi version	Pump version
Vacuum system	Venturi (compressed air)	Vacuum pump
Crankcase size	L160 X P350 X H240 mm	
Power supply	110Vdc → 230 Vdc, 50hz/60hz	
Compressed air supply	8 Bars	-
Maximum depression	-800 mbar	-950 mbar
Display	7" capacitive touch	
Accuracy	1 mbar	
Max. sampling frequency	1500 hz	
Air filter	5 µm	
IP Classification	IP54	
Operating temperature	Between 0° and 40°C	
Noise level	< 75 dB	< 60 dB
Power consumption	<0,1kW	Puump 2V : 0,35 kW Puump 5VH : 0,35 kW Puump 12VH : 0,6 kW Puump EVISA25 : 0,75 kW
Compressed air consumption	GV15 : 100NL/min GV25 : 400NL/min	=
Connection to the compressed air network	ISO B6 Male and Quick Connect Ø8mm exterior	
System connexion	1 x USB / 1 x ETHERNET	
Communication	Printer, RS232, TCP-IP, Exports CSV, XML, USB, open communication protocol	
Image resolution	20 hz	
Data collection	unlimited	
Number of programs	unlimited	
Number of tests	unlimited	
Test duration	unlimited	
Traceability and Data Integrity	User rights Automatic data backup Data security Connectivity with SPC and ERP software Audit trail	
Warranty	2 years	
Certification	CE	

ACRN A GLOBAL OFFER

for your packaging quality controls



Calibration and annual maintenance

ACRN is equipped with a metrology laboratory.

Setting up tests, choice of materials, state of the art, work on repeatability

we can advise you according to your needs (technology, budget, ergonomics).

Leak testing and dynamometric testing

Our skills and equipment for leak testing and dynamometric testing for packaging

Major manufacturers have trusted us for many years

