

Leak Testers

Patented



USP (USP 40 (5) <1207.2>)

“Tracer liquid test requires the use of either analytical detection through instrumentation or visual inspection aids”
that may reduce significant human dependency.

“Analytical detection offers the advantage of minimizing the human error that is inherent in visual discernment of low dye concentrations”.

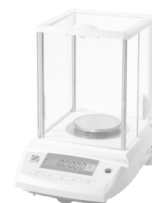
Leak Tester with Weighing Scale Interface (Methylene Blue Dye Test Method)



ELT-201WP



Mettler Toledo



Ohaus



Sartorius



Contech

Leak Tester with Weighing Scale Interface without Embedded Printer (Model : ELT-201W) also available

Features

1st and only smart verification of leak detection using the widely accepted and cost efficient blue dye method

- ⊙ Compliance with USP and international package practice specifications
- ⊙ Leak detection automatically verified by weight, reducing human error and providing traceability to the results
- ⊙ Programmable vacuum level and retention time and penetration time
- ⊙ Slow venting for better precision
- ⊙ Oil-less vacuum pump
- ⊙ Printout of test report via serial port, LAN and in-built thermal printer in ELT-201WP model
- ⊙ Weighing scale interface with Mettler Toledo, Ohaus, Sartorius and Contech balances
- ⊙ 5.7" touch screen display
- ⊙ Programmable tolerance range setting to calculate pass/fail results
- ⊙ 20 products and 20 methods can be stored
- ⊙ Multi level user management

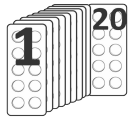
Ideal for checking leakage of packed strips, blisters, small sachets of tablets, capsules, liquids, cough syrup, shampoo packets, ampoules, sutures etc.

Specifications

Model	ELT-201WP
Vacuum level range	2 mm Hg to 650 mm Hg
Timer range	00.01 sec to 99 min 59 sec
Weighing balance compatibility	Mettler Toledo, Ohaus, Sartorius and Contech
Power requirement	230 V. 50 Hz / 110 V. 50 / 60 Hz
Power	300 VA
Dimensions (L x W x H)	400 mm x 240 mm x 220 mm
Vacuum setting level	Vacuum can stabilize to the set value +5 mm Hg within 90 sec
Printer interface	Serial
Weight	Net : 17 kg Gross : 21 kg

Working of ELT-201WP

Step 1



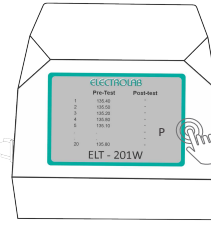
Number the packages

Step 2



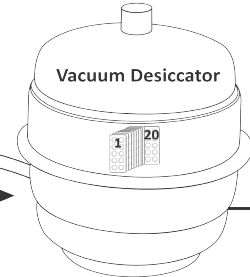
Weigh the package according to the numerical order. The weight of the package is electronically transmitted to the leak tester unit.

Step 3



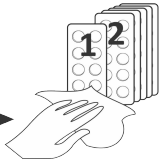
The unit registers the pre-test weight of the individual package in the numerical order.

Step 4



Submerge the packages in the methylene blue dye contained in the vacuum desiccator

Step 5



Wipe off the excess fluid from the individual packages with lint free cloth.

Step 6



Weigh the package according to the numerical order. The weight of the package is electronically transmitted to the leak tester unit.

Step 7



The unit registers the post-test weight of the individual package in the numerical order.

Post-test weight > Pre-test weight indicates leak

Package Fails

Post test weight within tolerance limits of pre-test weight indicates that the package integrity is maintained

Package Passes

Test Report

Product Details:			Package Type	: Blister
Product Name	: Aspirin	Dosage Quantity	: 10	Limit
			Tolerance	: <u>10 mg</u>
Results:				
Vacuum Generation Time: sec. 11				
Sample	Weight Before Test (mg)	Weight After Test (mg)	(mg) Difference	Result
1	135.40	138.10	2.70	Pass
2	135.50	137.70	2.20	Pass
3	135.20	153.60	18.40	Fail
4	135.80	138.10	2.30	Pass
5	135.10	137.50	2.40	Pass
Test Status : Completed				
Tested By :		Tested Date :		
Checked By :		Checked Date :		

Note : Tolerance can be programmed in mg or %

Leak Tester (Methylene Blue Dye Test Method)



LT-101P

Features

- ⦿ Meets USP and international package practice specifications
- ⦿ Programmable vacuum level and hold time
- ⦿ Slow venting for better precision
- ⦿ Printout of validation report
- ⦿ GMP model also available
- ⦿ Oil-less vacuum pump

Ideal for checking leakage of packed strips, blisters, small sachets of tablets, capsules, liquids, cough syrup, shampoo packets, ampoules, sutures etc.

Specifications

Model	LT-101P
Vacuum level range	2 mm Hg to 699 mm Hg
Timer range	00.01 sec to 99 min 59 sec
Power requirement	230 V~50 Hz/110 V~50/60 Hz, 300 VA
Vacuum setting level	Vacuum can stabilize to the set value +5 mm Hg within 90 sec
Printer interface	Serial
Dimensions (L x W x H)	400 mm x 240 mm x 220 mm
Weight	Net : 17 kg Gross : 21 kg

Optional accessories



12 mm round glass plate
for 250 mm dia desiccator
Part no - 5001A00001



12 mm round glass plate
for 300 mm dia desiccator
Part no - 5001A00002



Perforated disc
for 250 mm dia desiccator
Part no - 5001A00005



Perforated disc
for 300 mm dia desiccator
Part no - 5001A00006

The information contained in this document is believed to be correct but **ELECTROLAB** accepts no liability for any errors and reserves the right to alter specifications without notice



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