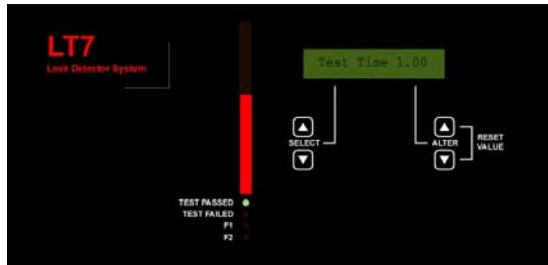


LT7 Leak Tester

Overview

The LT7 was designed to meet the need for a low cost, reliable, simple to use, single channel bottle leak detector.



LT7 Leak Detector Front Panel

The LT7 is designed for 100% leak testing of blow molding machine output. Several options are now available to allow this system to perform a variety of important additional bottle operations.

Benefits

- **High Accuracy Leakage Measurement**

Measurement Errors are minimized through the use of a sensitive pressure transducer with a low noise amplifier and high-speed, high-resolution analog to digital converter.

- **Soft-Touch Panel**

The operator interface is a soft-touch panel with alphanumeric LCD and LED pressure indication bar graph. Settings and bottle counts can be easily viewed or altered as required.

- **Compact Design**

Its ultra-compact format means that the control cabinet and the test head can be fitted as a single assembly, resulting in an extremely neat and simple system. Cable and piping lengths are reduced to a minimum; further improving reliability and ease of installation.

- **High Reliability**

Advanced technologies reduce the number and complexity of internal components. In-depth understanding of failure mechanisms coupled with the integration of all electrical functions onto the PCB, assures that the LT7 meets the highest standards of reliability.

- **Modular Pneumatic System and Design**

Modular design allows quick, flexible customization of the LT7 system to meet special needs and facilitate easier expansion even after installation.

- **Flexible Bottle Transport System**

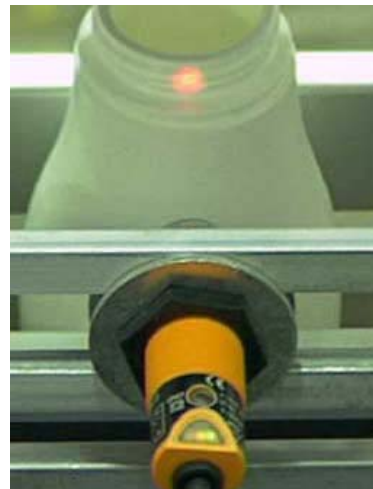
Timings can always be easily adjusted to maintain optimal bottle transport without sacrificing test time.

- **Cost Effective**

The LT7 circuit cards have been designed and programmed specifically for flexibility. Great care has been taken to ensure that the system is easily re-programmable and expandable to meet rapidly changing needs. With this system, the performance limitations of using a bought-in PLC are easily avoided.



50 Million Cycle Valves



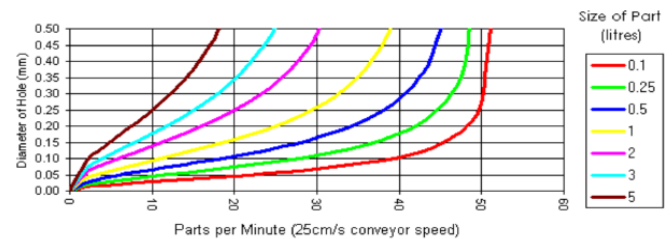
Self tuning photoswitches

LT7 Specification

Hole Size Detected / Bottle Throughput	0.1mm / 50 bottles per min. See performance graphs for details.
Number of Test Channels	1
Cycle Time	0.5 - 20 seconds, adjustable
Minimum Bottle Volume	None
Maximum Bottle Volume	10 liters (2 gallons)
Test Pressure	Adjustable, 0.15 – 0.6 psi (10 – 40 mB)
Electrical Power Supply	110-120 VAC Single phase.
Electrical Power Consumption	30 VA maximum
Air Supply	4-10 bar (60-150 psi)
Air Consumption	0.2 liter per min. typical
Leak Test Method	Ratiometric Pressure Decay, Auto-zero, Auto-scale, Adaptive pressurization algorithm.
Transducer	Semiconductor strain gauge diaphragm, 0.00-65.00 mB, 0.02% resolution, x20 Over-pressure protection

For further details contact us or visit our web site.

Performance Graphs



• Ordering Information

The LT7 is available complete including conveyor system, or alternative as a kit for integrators or for fitting to an existing customer conveyor.



NECCo has the ability to provide engineering, equipment, installation, service and spare parts for all of your packaging needs. Please feel free to contact us about any of the following:

Baggers (Automatic)
 Baggers (Semi-Automatic)
 Debaggers
 Annealing Ovens
 Scrap and Resin Systems

Cable Conveyor
 Mattop Accumulation Conveyor
 Tabletop Conveyor
 Inclines and Declines
 Ideas In Motion Support