

 **Qualipak 700**

The Qualipak 700 is a highly-sensitive, non-destructive seal integrity and leak testing instrument with the capability to test a wide selection of flexible packs in the food, medical and pharmaceutical industries.

# Using the principle of measuring changes of force generated by a pack under vacuum, the Qualipak 700's reliable and easy to use instruments offer unique and dependable solutions to flexible package testing.

## Use and Pack Testing

### Qualipak 700

Single or dual pack tester

- Single or dual sensors
- Single tests packs up to 90 x 210 x 270 mm in size or dual packs up to 90 x 105 x 135 mm
- For MAPs, pouches and pillow packs
- User friendly
- RS232 output for hard copy of results
- Analogue output option

## Benefits of the Qualipak 700 Series Testers

### Non-Destructive

Saves the cost of destroying good packs and allows the contents from defective packs to be recycled.

### Designed for the Manufacturing Environment

Reduces the need to transfer packs to special test areas.

### Ease of Use

Tests can be performed by packaging machine operators, rather than specialist personnel.

### Objective and Quantifiable Measurement

No operator interpretation required.

## Features

- Bench mounted and transportable
- Easy to operate
- Highly sensitive
- Few moving parts
- Wide range of pack sizes can be accommodated
- RS232 port for data transfer
- Protection to IP55
- Splash proof

## Valuable Test Data

### For Packaging Development

The sealing and leak tightness characteristics of materials when formed into packs can be assessed from data using the optional analogue output. Valuable production time can be saved by optimizing sealing machine settings when film supplies or specifications change.

### For Process Monitoring

Packaging quality and productivity can be improved by analyzing the Qualipak 700 test data available via the RS232 serial output. Trends can be identified and acted upon where necessary to maintain efficient production using the SPC-PCIV software package. Real-time monitoring with on-line statistical displays or archiving for further analysis are both possible.



## Accessories

### Application Infills

The interchangeable infills support and restrain small or very flexible packs while under testing. Extra infills, configured to customer specification, are available to accommodate different pack sizes.

### Challenge Units

To confirm the performance and consistency of the instrument, the challenge unit simulates a standard leak appropriate to the application. The challenge infill interchanges with the application infill without adjustment. A separate data sheet is available.

### Vacuum Supplies

Rotary pump kits and instrument mounted venturi pumps are available to suit all Qualipak 700 equipment.

### Statistical Process Control Package

A Windows™ based SPC-PC IV software package offers a wide range of data analysis tools to assist in controlling and optimizing production processes.

## Qualipak 700 Customized Systems

Uson will manufacture to specific customer requirements to accommodate a wide variety of pack sizes, shapes and designs. Individual specifications range from manual units testing a number of packs simultaneously, to automatic on-line auditing.

### Multi-Pack Testers

When a requirement to test more than two packs simultaneously exists, consult Uson for advice on a custom system.

### Automatic Audit Testing

To satisfy automatic audit testing, the Qualipak 700 can be supplied with "pick and place" equipment with all the control interfaces, allowing on-line automatic operation.

### On-Line Pouch Testing

Pouch test systems are available to provide 100% product leak testing online. The systems facility at Uson is able to advise on particular testing requirements. From the proposal to the installation, technical specialists liaise

closely with the customer to ensure those needs are fulfilled and thoroughly supported.



### Calibration Service

Uson also provides equipment calibration service for its customers using the latest precision instrumentation

to offer users a calibration service throughout the life of its products. Calibrated leak testing is available to customer specifications and instruments can be tested for proof of the accuracy and integrity of the measurement.

All calibrations are traceable to national standards.

## High Quality Products and Support

Every aspect of construction and performance is rigorously evaluated to provide the ruggedness, reliability and longevity required for industrial applications.

The company has gained an outstanding reputation for supporting customers with advice and assistance at every stage.

## Qualipak 700 In Operation

The increasingly stringent demands of regulatory bodies and end users for the assurance of packaging integrity have driven the development of better testing procedures to replace the messy, time consuming and operator dependent bubble and dye penetration methods. Designed to meet these needs, the Qualipak 700 is now installed in many industries.



### For Pharmaceuticals

Leak testing by the Qualipak 700 minimizes the risk of penetration and possible contamination or deterioration caused by air and water vapor. Batch audit testing ensures sealing machines remain effective.



### For Food

Improved testing maximizes customer satisfaction and helps maintain mandatory high hygiene and safety standards. Spoilage caused by the ingress of water vapor, air or containments is greatly reduced.



### For Medical Devices

Packaging for medical devices and dressings are tested for seal and foil integrity to ensure the products remain sterile. Pouches for diagnostic devices are tested to minimize the risk of possible moisture damage.



For individual packs, the Qualipak 710 with single sensor  
 For single, dual and duplo packs, the Qualipak 720 with dual sensor

## Specifications

<b>Model</b>	Qualipak 710 and 720
<b>Description</b>	Leak testers for packaging. Non-destructive testing for pharmaceutical, medical device and food packaging.
<b>Detectable Hole Size</b>	10.0 µm (10 microns) (Dependent on pack size)
<b>Sensitivity</b>	1 gram
<b>Resolution</b>	1 gram
<b>Qualipak 710 Test Capacity (h x w x d)</b>	Packs up to 90 x 210 x 270* mm (3.5 x 8.3 x 10.5 in)
<b>Qualipak 720 Test Capacity (h x w x d)</b>	Two packs up to 90 x 105 x 270 mm (3.5 x 4.15 x 10.5 in) *355 mm (14") if no infill is fitted
<b>Programs</b>	16 user definable
<b>Display</b>	Alpha numeric, vacuum fluorescent display
<b>Indicator Lamps</b>	Green pass and red reject
<b>Supplies</b>	90/265 V, 50/60 Hz, 120 W External vacuum source
<b>Dimensions with Lid Open (h x w x d)</b>	612 x 401 x 640 mm (24.1 x 15.8 x 25.2 in)
<b>Weight</b>	21.8 Kg (48 lbs) (net)
<b>Manufacturing Standards</b>	To ISO 9001:2000 Certified to CE requirements

*Due to a program of continuous development, specifications may be changed without notice.*

### Uson LP

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