

New from MOCON. . .

Avoid Defects in Sterile Tray Packaging.

- Tray testing for holes
- Package testing for holes and channels

NEW



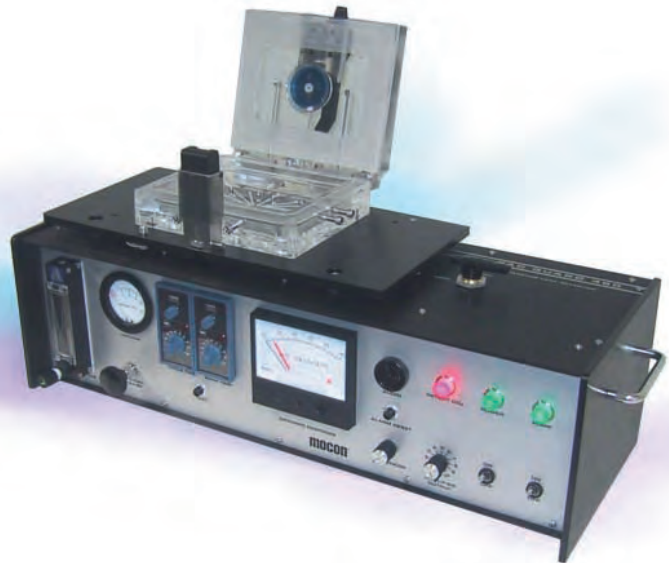
PAC GUARD™ 500
Non-Destructive Package Integrity Testing

mocon®

Leak Issues with Sterile Tray Packaging? **No More...**



**Sterile
Integrity
Tester
for Porous
Packaging**



PAC GUARD 500 **Affordable Non-Destructive Package Integrity Testing**

Cardiac catheters, pacemakers, joint implants are all wonders of medical technology that improve, extend and save lives. All depend on their packages to assure they are safely preserved and maintained prior to use. The package is the key element of sterility maintenance, preventing the intrusion of contaminating microorganisms between the time of sterilization and use.

Packaging technology has lagged the advances in the medical devices industry. Validated tests assure the **STRENGTH** of the package, predicting if the package will break open during processing or transportation. Few tests exist for checking the **INTEGRITY** of the package. Vision tests for damage that is barely discernible by the human eye have been the main vehicle for package evaluations. Other tests are used, but these destroy the package, limiting their effectiveness and creating cost inefficiencies.

MOCON has developed the Pac Guard System, which employs a non-destructive test that quickly and precisely alerts when defects exist. If defects are found, the package is to be rejected. If no defects are indicated, return the package to production with confidence that it is damage-free.

The Pac Guard is based on technology proven in 150 installations worldwide. And it has the additional ability to test the porous packages prevalent in medical device applications. The Pac Guard 500 can be used at every phase of medical device packaging, in design and process validation, before and after sterilization evaluations, stability studies, shipping simulations, production and quality assurance monitoring and returned goods package assessment.

MOCON has been granted over 60 patents in over three decades of service as a leading provider of instrumentation, consulting, and laboratory services to medical, pharmaceutical, food and other industries worldwide.

Detects

- Channels in seal
- Holes in tray

Typical Sensitivity

- 125 μm (channels/leaks in seals)
- 75 μm (pinholes/leaks in trays)

Principle of Operation

- Temporary masking of Tyvek® lid
- CO₂ trace gas and slight vacuum
- Rapid yes/no defect detection

Non-destructive

Rapid

- 1 package in less than 1 minute

No operator interpretation after setup

Minimal operator skill level required

The instrument and instruction manual are available in English, Spanish or both.

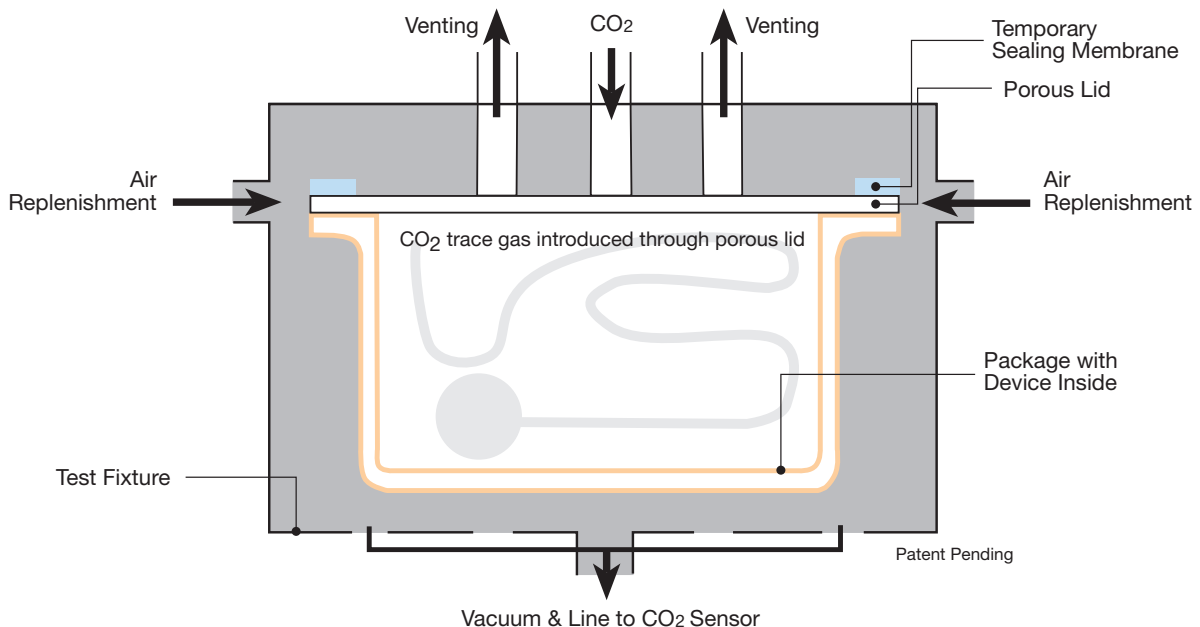
The same test, consistent results, no destroyed packages, anywhere in the process.



- **Validatable**
- **Sensitive**
- **Easy to Use**
- **Cost Effective**

Tyvek is a registered trademark of E. I. du Pont de Nemours and Company.

Pac Guard 500 Operation



Several chamber configurations are available to accommodate various packages, sizes and styles.

Pac Guard Systems can be used in:



- **Package Development**
- **Process Development**
- **Inprocess Inspection**
- **Quality Assurance of Incoming Components**
- **Stability Studies**
- **Shipping Simulations**
- **Returned Goods Evaluations**

Specification Information

General

Height	9" (22.9 cm)
Width	29" (73.7 cm)
Depth	10" (25.4 cm)
Weight	40 lbs. (18.14 kg)

Electrical

115 VAC, 60 Hz, 1.8A
All foreign voltages available.

Operating

Typical Sensitivity:
125 μ m (channels/leaks in seals)
75 μ m (pinholes/leaks in trays)

*(Dependent upon package size.
Call technical representative about testing your package.)*

MOCON Commitment

These new systems are another example of MOCON's long-standing commitment to innovation and quality in the design of permeation testing systems for barrier material and package assessment.

Technical Support & Service

MOCON maintains an applications and testing laboratory to assist customers in realizing the full potential of their MOCON instrument. Seminars and intensive training classes are held for those interested in maximizing their understanding of the systems, technology, and operating procedures. Call your MOCON representative for more information on these programs or for a system quotation.

US Patent #5,939,619, 6,050,133 and Patents Pending.

mocon[®]

7500 Boone Ave N, Minneapolis, MN 55428 USA

Phone 1-888-MEDIPKG

Fax 763-493-6358

Visit our Website at
www.mocon.com

Email at
mocon@mocon.com

MOCON is a registered trademark and Pac Guard is a trademark of MOCON, Inc.

Copyright © 2001 MOCON, Inc.

MOCON reserves the right to change specifications without notice as part of our continuous program of product improvement.

PacGuard6015H