



AQUATRAN® **MODEL 3/38 H** **WATER VAPOR** **PERMEATION** **ANALYZER**

High Throughput **Water Vapor Permeation Analyzer**

The AQUATRAN 3/38 H Water Vapor Permeation Analyzer is designed for laboratories that routinely perform a high quantity of Water Vapor Transmission Rate (WVTR) tests. With its unique four cell capability it can test four barrier samples at the same time, providing twice the throughput of traditional WVTR instruments.

The AQUATRAN 3/38 H includes automated testing features for ease-of-use, including software features to improve laboratory efficiency. Unique test settings like the QC test mode and conditioning test mode dramatically increase the efficiency and overall testing capacity of your lab, making it the perfect solution for busy QC labs supporting production operations

The 3/38 H features an innovative dual film cartridge from AMETEK MOCON®, which combines two test cells into a single cartridge. This allows for more than double the testing capacity of legacy and single-cell models, with the exact same compact footprint. Dual film cartridges use a standard 50 cm² testing area, and incorporate our proprietary TruSeal® in both the upper and lower cells. The TruSeal design uses two seals and flushes gas between them to prevent ingress into the testing area. This reduces background levels, improves repeatability, and reduces the need to run individual zero.. Interchangeable cartridge options such as the dual cell edge effect and reduced area cartridges expand testing capabilities.

Accessories

- PermWare® software is available to collect and manage test data
- Additional cartridges allow samples to be prepared and staged for a quick change out to increase efficiency
- Interchangeable dual-cell cartridge options expand testing capabilities.
- Options include: Reduced area cartridge & Edge effect cartridge

Connectivity

- Ethernet Port
- 2 USB Ports
- PERM-NET Lite™ for remote monitoring

Industry Standards

ASTM F1249, ISO 15106-2, TAPPI T557, JIS K-7129 Films.
GB/T 26253-2010

Performance Specifications

Test Temperature Range:	20-60°C ± 0.2°C
Controlled RH Testing Ranges:	20-40°C: 50-90% ± 3% 20-60°C: 100% ± 3%
Maximum Film Thickness	
- Standard cartridge for 50 cm ² :	Up to 20 mil, 0.5 mm
- Optional cartridge for 5.0 cm ² :	Up to 120 mil, 3.0 mm
- Optional cartridge for 10.0 cm ² :	Up to 120 mil, 3.0 mm
Test Gas:	Nitrogen (99.7% N ₂ or better)

Dimensions & Weight

Depth: 23" or 58,0 cm
Width: 12" or 30,4 cm
Height: 15.5" or 39,4 cm
Weight: 95 lbs. or 43,1 kg

Conformance Standards

CE, UL, CSA Safety Compliance

**UK & INTERNATIONAL**

RDM Test Equipment Ltd.
39 Gold Nurseries Business Park
Jenkins Drive
Elsenham
Hertfordshire
CM22 6JX

Tel: +44 (0)1279 817171

Email: sales@rdmtest.com

Website: rdmtest.com

AMERICAS

RDM Test Equipment LLC.
441 Old Hwy 8 NW
Suite 203
New Brighton
Minneapolis
MN55112
USA

Tel: +1 651 766 2565

Mobile: +1 651 485 2372

Website: rdmtest.com