

AQUATRAN® 3/40 WATER VAPOR PERMEATION ANALYZER



All-in-One Whole Package Permeation Analyzer

The AQUATRAN 3/40 Water Vapor Permeation Analyzer from AMETEK MOCON® is the first permeation instrument custom-designed to test whole packages. The AQUATRAN 3/40 integrates a large environmental chamber with Water Vapor Transmission Rate (WVTR) testing into one instrument to ensure precise test gas conditions and accommodations for a wide variety of packages and containers. Using unique and innovative MOCON® test cartridges, the AQUATRAN 3/40 is a complete, all-in-one package WVTR testing system.

The precisely controlled environmental chamber eliminates the need for cumbersome setup of independent test gas environments and ensures accurate test results for realworld conditions. The controlled chamber instrument has four independent test cells allowing multiple analyses to be run at the same time, while the easy to use package test cartridges make mounting and testing of packages simple and repeatable.

The simple user interface with automated controls makes testing easy with little training. In certain applications, starting a new test may be as simple as a single press of a button. Your operators can now pre-program a variety of tests at different conditions and run them sequentially without operator intervention, resulting in less instrument idle time.

Application Solutions

The AQUATRAN 3/40 is capable of testing a wide range of package types through the use of our innovative test cartridges. A variety of package test cartridges are available to easily and accurately test:

- Trays • Bottles • Flexible containers or pouches • Cups, packs or pods • Caps or corks • Films • Complete packages or tubing via Package Adapter Cartridge

Package test cartridges use pneumatic clamp mounting in the chamber for quick and tool-free installation and removal.

Accessories

- Reduced area cartridge
- Edge effect cartridge
- Blister testing cartridge
- Package testing adapter
- Custom engineered test cartridges
- PermWare® software for data collection and remote monitoring

Connectivity

- Ethernet Port
- 2 USB Ports
- Optional PermNet™ Lite for remote monitoring

Industry Standards

- ASTM F1249 • TAPPI 557 • ISO 15106-2 • JIS K7129-2

Test Conditions

Test Temperature Range: 10°C to 50°C ± 0.5°C**

Chamber RH Testing Ranges: 30% to 90% ± 5%**

Interior Dimensions & Volume

Depth: 12" or 30.5 cm

Width: 25.5" or 64.8 cm

Height: 17" or 43.2 cm

Volume: 3 cubic ft or 85 litres

Exterior Dimensions

Depth: 29.75" or 75.6 cm

Width: 33" or 83.8 cm

Height: 35" or 88.9 cm

Weight: 225 lb. or 102 kg

Conformance Standards

CE, UL, CSA Safety Compliance



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