



Permeation

Testing

Equipment



Quality-testing gloves according to

DIN EN 374 - EN 16523 - ISO 6529

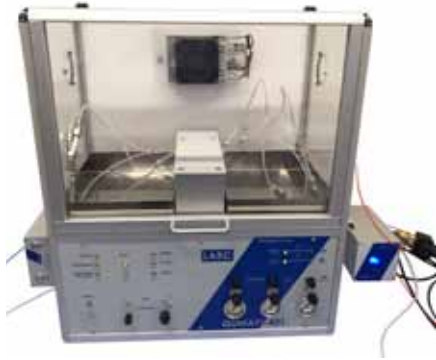
More than 30 Years experience

by

LABC-Labortechnik - Germany

www.LABC.de

Qumat®-Q401-HR



- PC-controlled multi-position valve for analyzing six gas streams according to the standards
- measurement of zero gas, reference gas and test gas at the chemical test breakthrough concentration by means of test specimens
- temperatur controlled for testing at $23\text{ °C} \pm 1\text{ °C}$ or $33\text{ °C} \pm 1\text{ °C}$
- software-recording of temperature, breakthrough and gas flow
- possible permeation collection media: air or nitrogen

The analyzer measures the permeation rate in chemical safety gloves and clothing. The chemicals are detected using a built-in FID or FPD. The analyzer measures the breakthrough of the test chemicals in three permeation measurement cells according to DIN EN 374-3 and EN 16523-1.

PERMOBIL

Mobile IFA* permeation test stand according to EN 16523-1



- specifically adapted to testing of chemical safety gloves and safety clothing materials for chemical permeability
- portable system, only requires electricity
- temperatur controlled for testing at $23\text{ °C} \pm 1\text{ °C}$ or $33\text{ °C} \pm 1\text{ °C}$
- permeation-collection-medium: air
- used in test laboratories as well as in process controls

The measurement is carried-out inside a temperature-controlled permeation measurement cell according to the standards. The sample is held inside the measurement cell and the test substances act on the front side. Purified ambient air passes through the measurement cell and is routed to a specific detector for concentration measurement. The record of the detector signal provides the permeation curve of the material-chemical pair under investigation and eases the determination of the permeation rate.

* IFA = Institute for Workplace Safety of the DGUV
[German Social Accident Insurance];

Permeation cell NW50



Designed for liquid or gaseous test chemicals and gaseous collection media. Permeation cell NW50 in accordance to EN 16523-1 (replaces EN374-3) for testing PPE films such as safety gloves or safety clothing in order to measure the permeability of the test substances to the samples.

Device made of glass and standing without support on three feet and a PTFE holder for films < 0.5 mm.

Manufactured by German glassblowers.

Fluid-PermCell NW50-liquid



- temperature controlled
- user-friendly with WTW multi-meter pH or conductivity electrode
- closed loop -> more efficient and better to avoid failures to different water qualities
- no pumping of the collection water, the medium gets moved directly inside the cell by a stirrer
- easy analyzing, possible to connect to WTW Multi-Meter by means of a PC
- possibility to link 3 cells at one multi-meter and one thermostat

Accordance to EN 16523-1, EN 374-3 and ISO 6529 for testing PSA foils such as protective gloves or protective suits on the issue of the permeability of liquid and gaseous test substances. The permeation measuring cell NW50-liquid with tempering jacket is temperature controlled by a probe. The measurement with a pH and conductivity sensor is carried-out directly inside the collection water.

Contact:

For additional information and/or your orders, please contact:

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