

Analyzer Qumat®-Q401-HR



The analyzer measures the permeation rate of Chemical Protective Gloves and Clothing. The chemicals are detected with a FID*. The analyzer measures the breakthrough of the Test-Chemicals in 3 Permeation Test Cells according to DIN EN 374-3 (or alternatively in 1 " ASTM-cells). One side of the clamped specimen are filled with the Test-Chemical and the other side is perfused with a constant clean gas flow. These 3 defined gas flows are then analyzed sequentially with an FID* (FiD* detectable volatile substances only!). The results are documented in table form. The Breakthrough-Time according to DIN EN 374-3 is reached at <1 micrograms cm⁻².

*FiD = Flame Ionization Detector

The Qumat®-401-HR:

- a PC-controlled multi-position valve for analyzing successively 6 gas flows: 3 permeation-cells made of glass according to EN 374-3 (or ASTM 1 ") with the specimen, zero-gas, reference-gas, (isobutene/air), test-gas (with the breakthrough concentration from the test-chemical)
- temperature preset to 23°(±0,1°C) or 33°(±0,1°C)
- a Plexiglas-Enclosure as a temperature chamber with an exhaust outlet (OD = 50mm)
- Detector: FID
- with evaluation program, to generate Excel-Compatible data (Requirements: PC with USB and Windows 7, not included!)
- 2x Binding-Flanges from PTFE with Glass-Bases of the Permeation Test Cell
- gas connection 1/8"Swagelock
- metrics: w*h*d=54*54*45cm (52cm with ventilator)
- connection: 230V
- guarantee: 24 months
- including an operation manual with declaration of CE conformity
- **NOTE:** For the operation of the unit trained and qualified personnel are required. We recommend a 2 days training.

Not included: the Glass-Permeation Test Cells (Art.Nr.:711988)!

Ident-Nr.: Q401-HR.001

Price: on request!