



H₂PERMKIT for hydrogen permeation experiments

COMPLETE SOLUTION TO PERFORM TESTS ACCORDING TO ASTM G148

- Ready to use kit
- Dedicated software tools
- Only one instrument needed
- Multi-hydrogen permeation

Hydrogen permeation studies are carried out to evaluate the permeation of hydrogen through sheets or membranes. With H2PERMKIT you can perform hydrogen permeation experiments according to ASTM G148 norm for the Standard Practice for Evaluation of Hydrogen Uptake, Permeation, and Transport in Metals by an Electrochemical Technique. The complete procedure using this kit can be found in **application note ref. AN-EC-032** in www.metrohm.com.



EVERYTHING YOU NEED TO PERFORM HYDROGEN PERMEATION EXPERIMENTS

One instrument: μ Stat-i Multi4

A multichannel instrument (4 channels galvanically isolated) able run up to 2 hydrogen permeation experiments simultaneously.

Software tools for obtaining the result that matters

DropView 8400M, the software running μ Stat-i Multi4, includes a specific module for hydrogen permeation experiments that allows you to evaluate the permeability of your sample under study with a very straightforward calculation.

One Devanathan–Stachurski cell

A Devanathan–Stachurski glass cell with two compartments of 250 mL and an exposed sample area of 1.5 cm diameter. Specifically designed to fit with Metrohm electrodes but with dimensions adapted to fit other conventional electrodes if needed.

SAVE TIME PERFORMING MULTI-HYDROGEN PERMEATION STUDIES WITH MORE THAN ONE CELL

You can acquire a second Devanathan–Stachurski cell to perform 2 simultaneous hydrogen permeation tests with the μ Stat-i Multi4.

You can also expand your instrument at any time with more channels (or select initially one of the other models available: μ Stat-i Multi8, μ Stat-i Multi12 or μ Stat-i Multi16) and add up to 8 Devanathan–Stachurski cells to perform simultaneous multi-hydrogen permeation tests.



Ordering codes

H2PERMKIT	Kit including one μ Stat-i Multi4 with dedicated software, one Devanathan–Stachurski cell and the needed electrode cable connectors.
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Optional:

PT.SHEET	Platinum sheet electrode (AUX)
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6.0343.110	Separate steel electrode (AUX)
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6.0733.100	Ag/AgCl electrode (REF)
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6.0728.120 + 6.1245.010	Ag/AgCl electrode + Electrolyte vessel (REF)
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HCELLKIT	Additional Devanathan–Stachurski cell and electrode cable connectors for H2PERMKIT
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Contact your local sales representative or sales.dropsens@metrohm.com for more information.

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TRUST