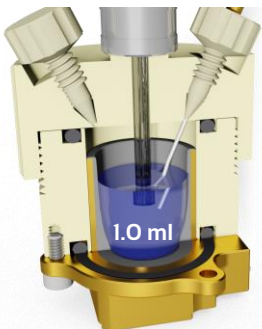


TSC 1600 Closed

The classic one - for liquid electrochemistry



The TSC 1600 Closed enables the electrochemical studies on **liquid air- and moisture-sensitive samples**, requiring **only 1.0 ml sample volume**. A **platinum crucible** serves as sample container, and usually as counter electrode as well. The cap contains four **separate platinum electrodes** insulated by glass. Two additional ports for capillaries and reference electrodes ensure a **high level of flexibility**.



Typical Applications:

- **Conductivity determination** by impedance spectroscopy
- Determination of the **electrochemical stability window** by cyclic voltammetry

Suggested Accessories



840101

Microcell HC
Basic Package



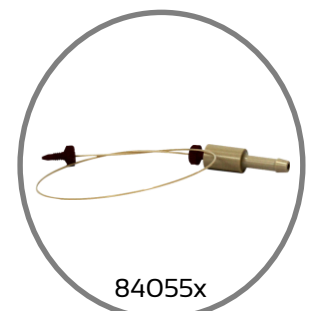
840582

Microcell
Passive



84052x

Micro-Reference
Electrodes



84055x

Gas Inlet &
Filling Set



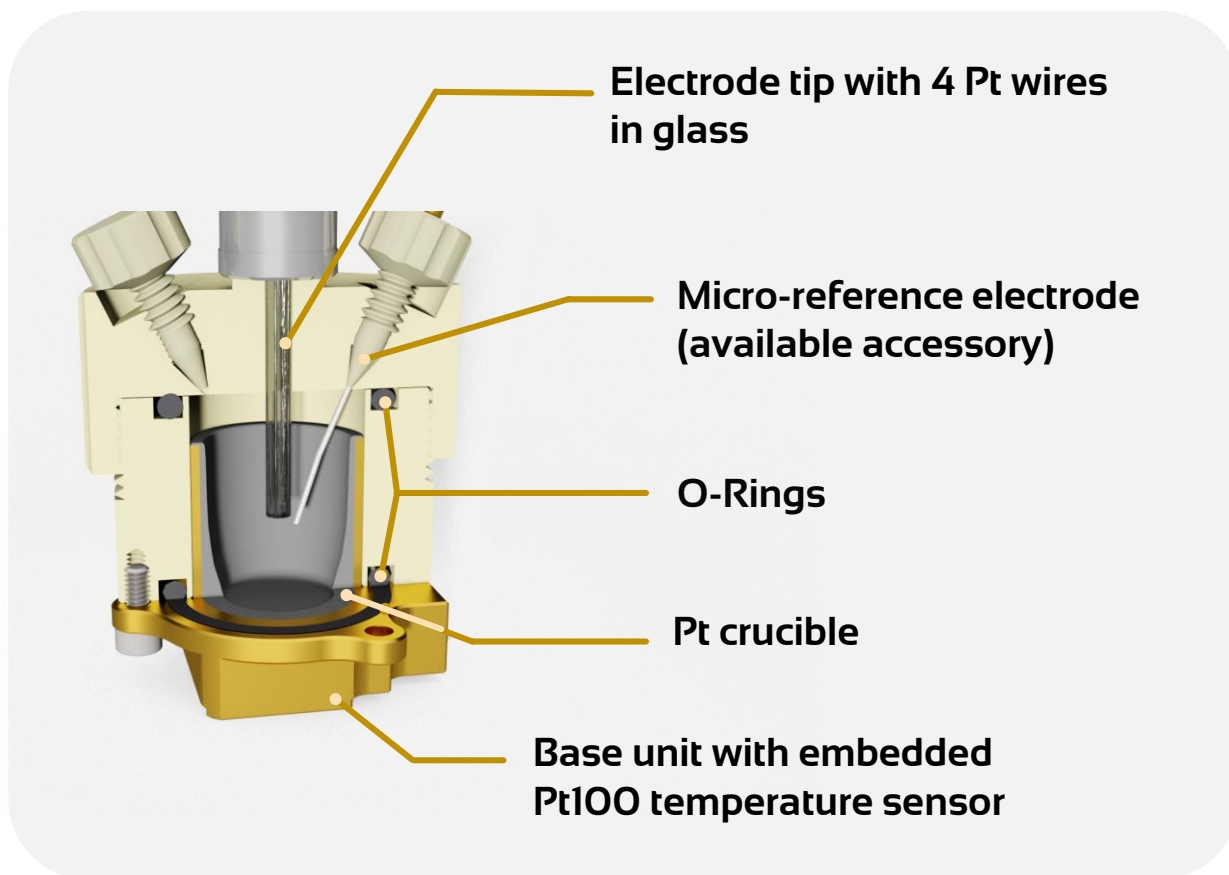
www.rhd-instruments.de



info@rhd-instruments.de

rhd  instruments
flexible cell solutions

TSC 1600 Closed



Technical Specifications

| | |
|--|--------------------------------------|
| Suitable samples: | Liquid, gels with low viscosity |
| Temperature range: | -40 °C ↔ +100 °C |
| Materials in sample contact: | PEEK, Pt, lime soda glass, EPDM |
| Sample volume: | 1.0 ml |
| Diameter Pt electrode in glass: | 0.25 mm each |
| Option: | Cap with exchangeable electrode tips |

References

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<https://doi.org/10.1149/1945-7111/ab72dc>
- [2] J. Landesfeind, H. Gasteiger, 'Temperature and Concentration Dependence of the Ionic Transport Properties of Lithium-Ion Battery Electrolytes', *J. Electrochem. Soc.* (2019) 166, 14, A3079.
<https://doi.org/10.1149/2.0571912jes>
- [3] J. Schwaben *et al.* 'Efficient Syntheses of Novel Fluoro-Substituted Pentacenes and Azapentacenes: Molecular and Solid-State Properties', *Chem. Eur. J.* (2015) 21, 39, 13758.
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