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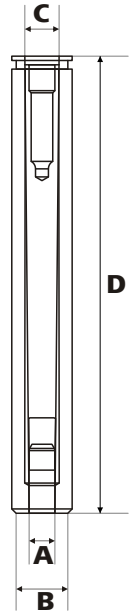
6.09395.014 / 6.09395.024 / 6.09395.034 / 6.09395.044



A Electrode diameter
B Shaft diameter
C Thread
D Length

EN

Electrode tips for rotating disk electrode (RDE)

The electrode tips 6.09395.0x4 are compatible with Autolab RDE and RRDE rotators.

CAUTION

- Remove the electrode from the packaging before using the electrode.
- Protect the electrode against mechanical load!
- PEEK electrode tips may not be exposed to concentrated mineral acids as they will otherwise be irreversibly damaged!
- Avoid extensive use of the PEEK electrode tips in organic solvents.
- PEEK electrode tips may be used within a temperature range of 0 °C to 40 °C.
- It is recommended to use an individual electrode kit, consisting of working electrode (WE), reference electrode (RE), auxiliary electrode (AE), and measuring vessel for each application.
- Do not treat electrode tips with ultrasound.

Preparation

Rinse the electrode with ethanol and distilled water before use.

Regeneration

The RDE is a solid-state electrode with a stationary surface. During use, this surface becomes increasingly contaminated with the products of the electrode redox processes.

Therefore, the surface of the electrode tip must be regenerated every now and then by mechanically cleaning it with finest aluminum oxide powder.

For regeneration, the polishing set (6.2802.000) is required.

Proceed as follows:

1. Stick the polishing cloth onto a flat surface (e. g. the bottom of a petri dish).
2. Mix a small amount of aluminum oxide powder with distilled water to form a thick pulp.
3. Polish the electrode tip by hand forming little eights with the electrode in the pulp for approx. 10 s.
4. Thoroughly rinse the electrode tip with distilled water.

If the baseline is not satisfactory or if the reproducibility of the measuring results is poor, then the electrode must be polished and rinsed once again.

Technical specifications

6.09395.	014	024	034	044
Type	GC	Pt	Au	Ag
Shaft material	PEEK			
(A) (± 0.05)	3 mm			
(B)	10 mm			
(C)	M4			
(D)	52.5 mm			
Concentricity error	< 0.25 mm (typical)			
Polished	yes	no	no	no