



Discover
Autolab
RRDE

The new Autolab RRDE (Rotating Ring Disc Electrode)

The Autolab Rotating Ring Disc Electrode (RRDE) is the latest addition to the Metrohm Autolab accessories for electrochemical measurements.

The Autolab RRDE can be used to perform electrochemical measurements under controlled hydrodynamic conditions. The ring and disc electrode assembly provides the means to detect reaction intermediates in situ through collection experiments.

The Autolab RRDE uses 2 identical friction-less mercury contacts for low noise measurements and can be used with any Autolab potentiostat/galvanostat fitted with the BA, dual-mode bipotentiostat module.

The Autolab RRDE is provided with a motor controller that can be operated manually or by the NOVA software. The rotation rate can be specified between 100 RPM and 10,000 RPM in 1 RPM steps.

3 year
instrument warranty

 **Metrohm**
Autolab B.V.

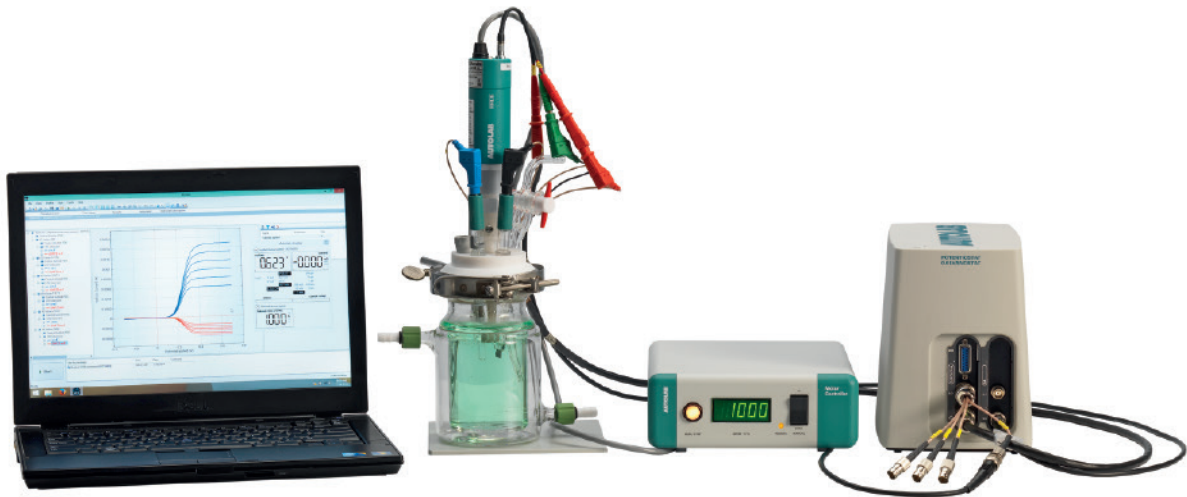


The Autolab RRDE electrode tips are fitted with a 5 mm electrode disc and a thin concentric platinum ring. The electrode disc is available in Gold, Platinum or Glassy Carbon. The RRDE electrode tips are dimensioned with an electrode gap of 375 μm and a theoretical collection efficiency of 24.9 %.

SPECIFICATIONS

Autolab RRDE

• Speed control	Manual or by NOVA software
• Motor speed range	100 – 10,000 RPM +/- 1 RPM
• Acceleration/deceleration	4,000 RPM/s
• Maximum disc current	500 mA
• Maximum ring current	50 mA
• Contact	Double sealed Hg pool
• Electrode tips	Pt disc/Pt ring, Au disc/Pt ring, GC disc/Pt ring
• Collection efficiency	24.9 %
• Electrode gap	375 μm



Dedicated to research

www.metrohm-autolab.com

 **Metrohm**
Autolab B.V.