



Overview



Rotator with SpeedControl Touch

RRDE system consisting of

- Rotating unit (0-4000 U/min), continuously adjustable, mercury contact for low noise
- Speed controller (0-4000 U/min), continuously adjustable, 7" Touch-Display
- Electrodes (various materials possible)
- Measuring cell

Description

The rotating electrode unit is used to examine end products and semi-finished products of electrochemical reactions.

The rotating electrode system is part of our portfolio for more than 30 years. The system consists of a rotating unit and a speed controller. Electrochemical cells and electrodes are also available in various designs. We supply cylinder, disc, and ring disc electrodes in various sizes and with different insulating bodies. Custom-made electrodes and devices are also available.

Technical details

Rotating unit	
Speed	0-4000 rpm, continuously adjustable
Connection	Max. 2 x 1 A
Resolution	1 rpm
Dimensions (LxWxH) mm	250 x 250 x 480
Weight (kg)	4,5
SpeedControl Touch	
Supply voltage	230 V / 50 Hz
Display	7 inch touch Display
External speed control	1 external input, 2 mV = 1 rpm
Output signal for measurement data acquisition	1 proportional output 1 mV = 1 rpm
Measuring cell	
Volume	300 mL
Material	Double-walled glass
Heatable	Yes
Temperature range	5° C - 80° C depending on used reference electrode
Cell body	Polypropylene
Mounting material	Stainless steel
Reference electrode	Ag/AgCl or Kalomel
Counter electrode	platinized Titanium in L-shape
Dimensions (DM, height)	DM 130 mm x 140 mm
Weight (kg)	1
Electrodes	
Available materials	Platinum, glassy carbon, gold, pure copper, pure zinc, aluminium, steel, stainless steel, titanium