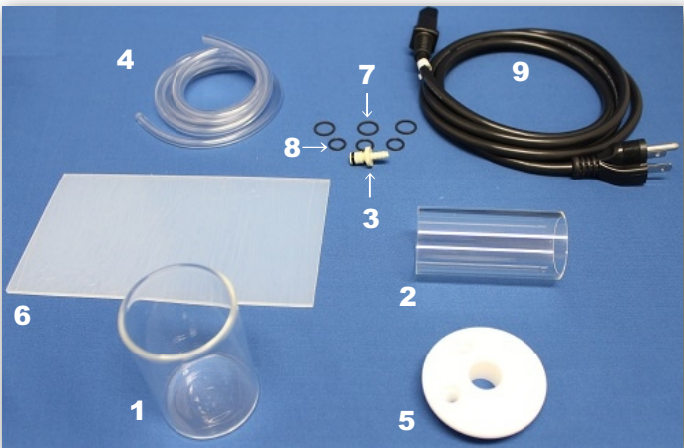


RRDE-3A Rotating Ring Disk Electrode Apparatus Ver.2.0

Quick setting manual

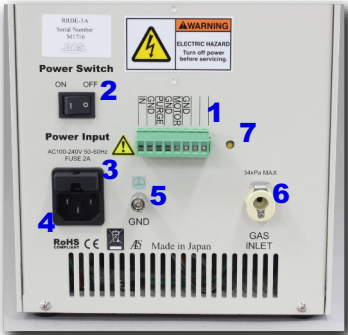
This quick setting manual explains the basic function setting and how to acquire data. For detailed instructions and warranty terms, refer to the RRDE-3A Operating manual. Full Manual is available at: <https://www.als-japan.com/support-instrument-manual.html>
Please read the full manual before operate RRDE-3A.

1. Accessories

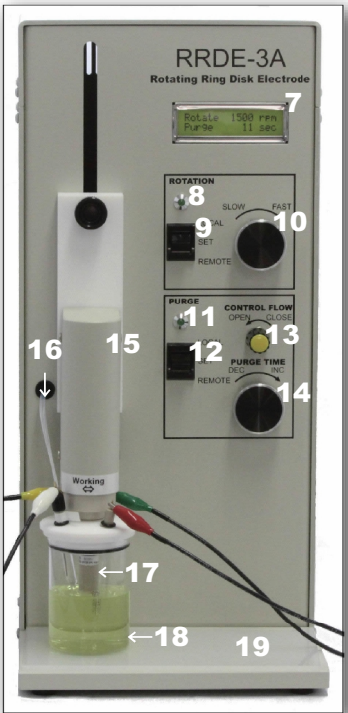


RRDE-3A Accessory kit consists of			
	Cat #	Description	Qty
1		Sample vial for alkaline solution (100mL)	1
2	012064	Spin coating adapter	1
3	012065	Male connector for gas purge (PP)	1
4	013392	TYGON tubing, OD1/4 x ID1/8	1
5	013271	RRDE-3A Teflon cap V.2	1
6	012642	RRDE-3A Silicon sheet 100x180mm	1
7	012975	O-ring for RRDE-3A bearing assembly	3
8	012976	O-ring for RRDE-3A shaft assembly	3
9		Power cable	1
		Quick setting manual	1

2. References



	Description
1	Remote Terminal
2	Power On/Off Switch
3	Fuse Holder
4	Power plug
5	Ground terminal
6	Gas Inlet Connector (5 psi maximum)
7	Clear Switch



	Description
7	rpm and purge time display
8	rpm LED
9	Rotation switch
10	Rotation speed knob
11	Purge LED
12	Gas purge switch
13	Gas purge flow knob
14	Purge time knob
15	Motor shaft
16	Teflon tubes
17	Working electrode
18	Sample vial for alkaline solution
19	Silicon sheet

3. Quick Start

The shaft can be moved up and down by loosen the black knob.
The shaft can also be rotated at 180°



Step 1



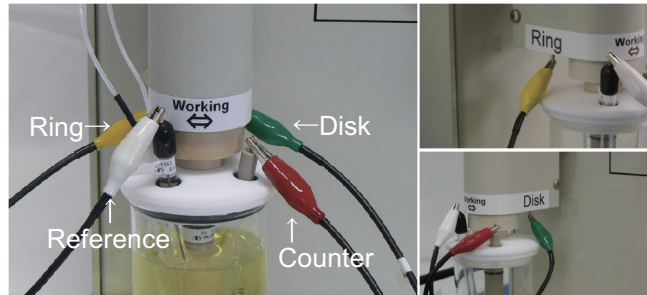
Screw the working electrode on the motor shaft assembly.

Step 3



Plug the power cable and switch on the power. If you need to purge the solution, connect the purge valve and the Tygon tube.

Step 2



Place the **sample vial** with the solution on the silicon sheet and attach the **electrode wires** of your potentiostat to the electrodes.

Immerse the **working electrode** into the solution (keep it rotating at 1500rpm during immersion to avoid any air bubble on the electrode). Place the purging tubes if necessary (black tube above the surface and the other one into the solution).

Electrode color code of the potentiostat

Wire color	Electrode
Green	Disk
White	Reference
Red	Counter
Yellow	Ring

Step 4



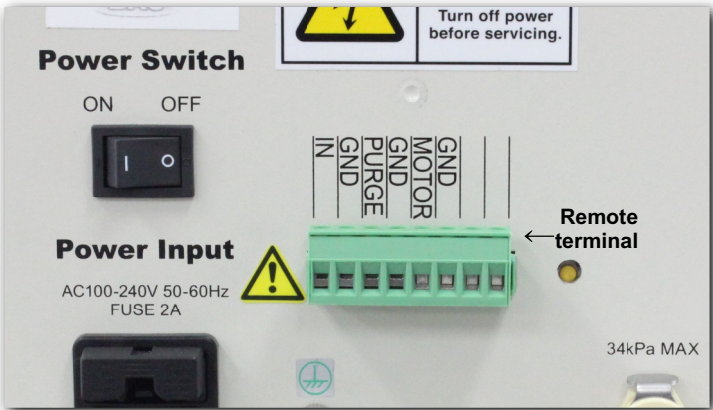
- 9. Rotation switch
- 10. Rotation speed
- 12. Gas purge
- 14. Purge time

Position	Action
LOCAL	Activate
SET	Deactivate
REMOTE	Remote ctrl

Your data are ready to be acquired with your potentiostat.

4. Remote connection memo

RRDE-3A back side



RRDE-3A input	Function
IN	Rotation
GND (next to IN)	Analog Ground
PURGE	Purge
GND	Digital Ground

※In sequence, from left to right

For more details about potentiostat remote connection, please read Chapt. "A-7 Connecting other potentiostat" from the full manual.