

013818 CB-VS Remote cable(15pin)

1. Features

CB-VS Remote cable(15pin) can be used to synchronize and control an external equipment such as SEC2020 Spectrometer system or RRDE-3A Rotating Ring Disk Electrode Apparatus using the 15-pin Cell Control terminal on the back of Model 3325 Bi-Potentiostat or ALS Model 1200 series.



Figure 1-1 CB-VS Remote cable(15pin)

2. Specifications



Figure 2-1 Cell Control terminal of Model 3325

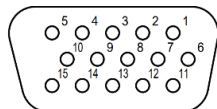


Figure 2-2 Terminal pin number schematic

Table 2-1. Pin number and corresponding function

Wire	Labeling	Pin#	Function
R		4	RDE*
G		5	Ground
S		12	Stir
P		13	Purge
K		14	Spectrometer Control / Knock*

*Some ALS 1200 series models do not support the RDE and Spectrometer Control functions.

Table 3-1. Pin number and corresponding trigger cables

Model 3325	Function	SEC2020 Trigger cable
K(Pin#14)	Spectrometer Control	Trigger In (brown)
G(Pin#5)	Ground	Ground (black)

4. Application 2

Remote control of RRDE-3A Rotating Ring Disk Electrode Apparatus

- Figure 4-1 is an example of remote connection for Model 3325 Bi-Potentiostat and RRDE-3A Rotating Ring Disk Electrode Apparatus.
 - Firmly plug the CB-VS Remote cable(15pin) into the 15-pin Cell Control terminal of Model 3325 and secure it with thumbscrews.
 - Check the pin labels on the wire. For **Rotating speed control**, connect R(Pin#4,RDE), G(Pin#5,Ground) with the remote terminal IN, GND(next to IN) of RRDE-3A respectively. If you also want to **control the gas purge**, connect P(Pin#13,Purge) to PURGE and connect GND(next to IN) and GND(next to the right of PURGE) with a jumper.
- Please refer to Figure 4-2 and Table 4-1.

Table 4-1. Pin number and corresponding remote terminal

Model 3325	Function	RRDE-3A Remote terminal
R(Pin#4)	RDE	IN
G(Pin#5)	Ground	GND (next to IN)
P(Pin#13)	Purge	PURGE
G(Pin#5) Jumper*	Ground	GND (next to Purge)

*Jumpers need to be prepared separately.

3. Application 1

Trigger control of SEC2020 Spectrometer

- Figure 3-1 is an example of trigger connection for Model 3325 Bi-Potentiostat and SEC2020 Spectrometer system.
 - Firmly plug the CB-VS Remote cable(15pin) into the 15-pin Cell Control terminal of Model 3325 and secure it with thumbscrews.
 - Check the pin labels on the wire and connect K(Pin#14, Spectrometer Control), G(Pin#5,Ground) with the trigger cable Trigger In(brown), trigger cable Ground(black) attached to SEC2020 respectively.
- Please refer to Figure 3-1 and Table 3-1.

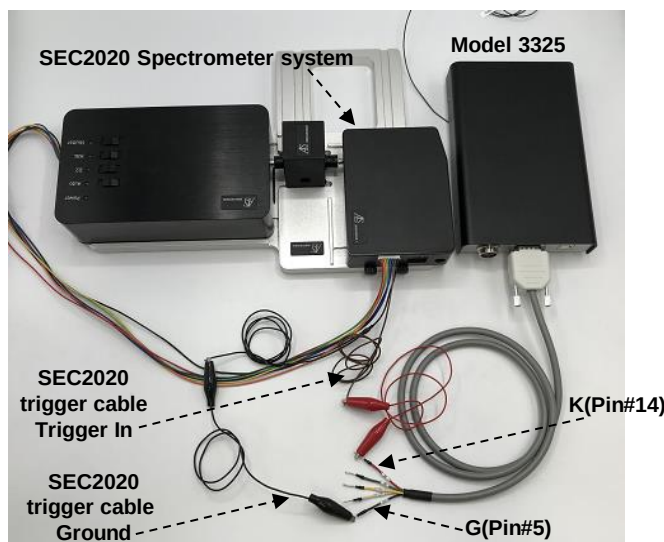


Figure 3-1 Trigger connection of Model 3325 and SEC2020

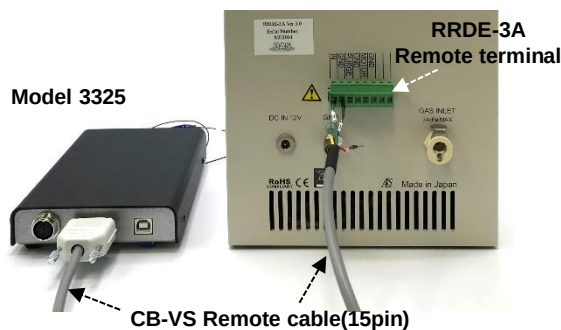


Figure 4-1 Remote connection of Model 3325 and RRDE-3A

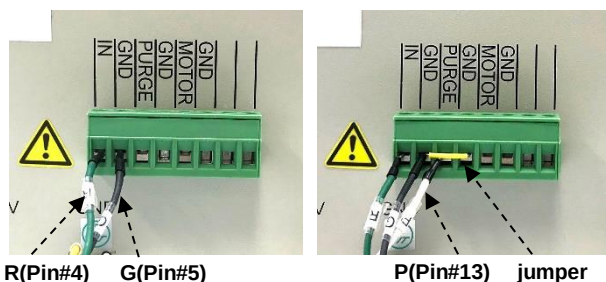


Figure 4-2 Connect to remote terminal: RDE (left), RDE&PURGE (right)

Sold separately

013817 Model 3325 Bi-Potentiostat

013609 SEC2020 Spectrometer system

013725 RRDE-3A Rotating Ring Disk Electrode Apparatus Ver.3.0

Please refer to the instrument manual for details.

<https://www.als-japan.com/support-instrument-manual.html>

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