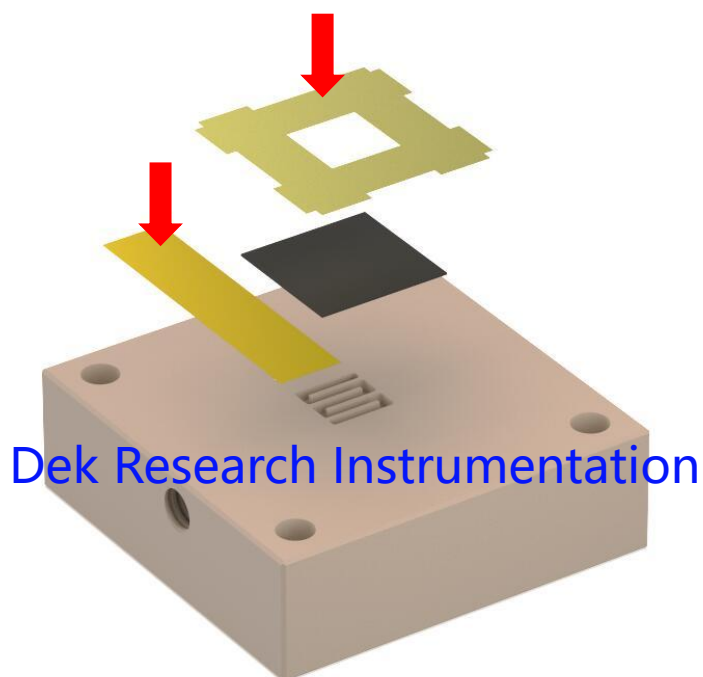


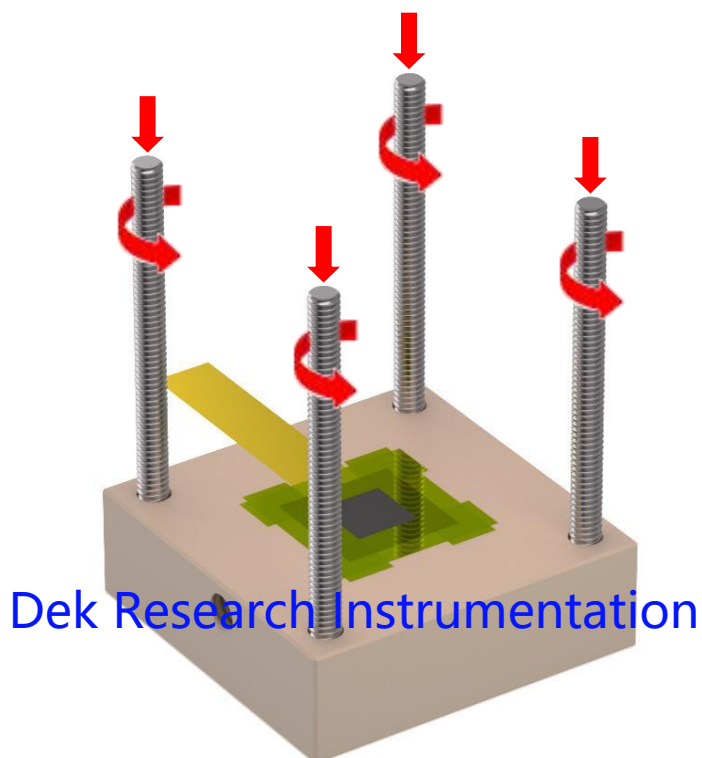
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1.1 Attach the conductive copper foil above the flow channel (ensure that the GDE can contact the copper foil for conductivity).

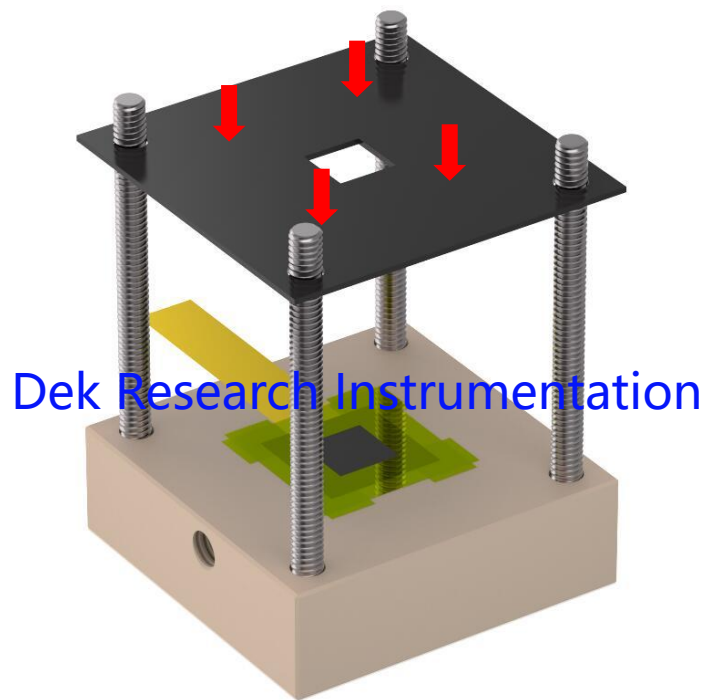
1.2 The GDE must be greater than the flow channel area, for example: if the flow channel is 1*1cm, the GDE can be trimmed to 1.5*1.5cm.

1.3 Use polyimide film tape to securely attach the GDE to the flow channel.

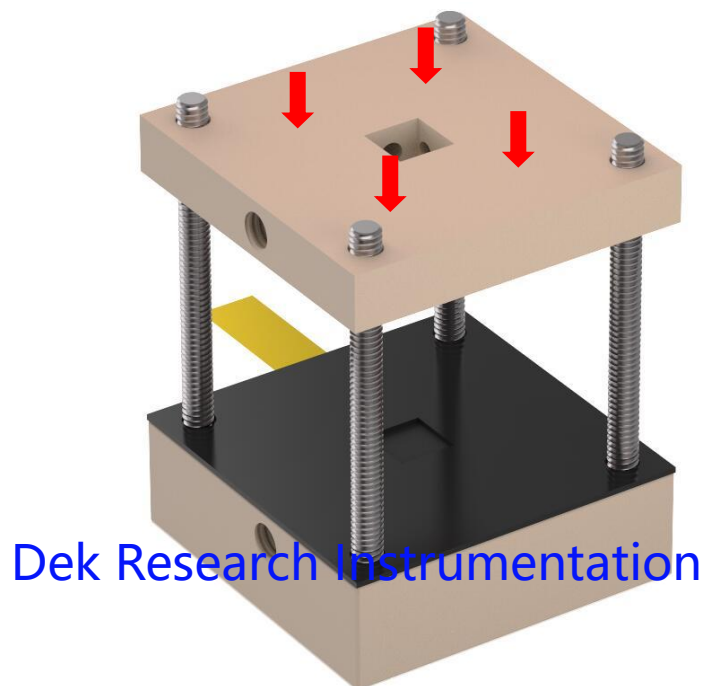


2 Install 4 positioning rods.

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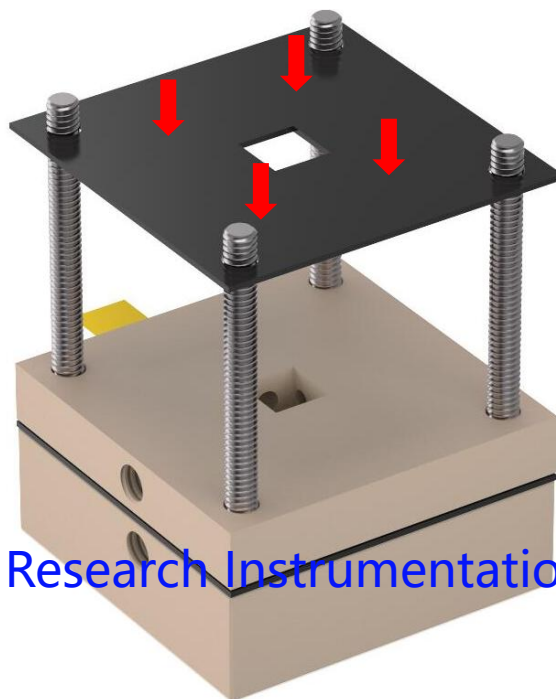


3 Place the sealing gasket.



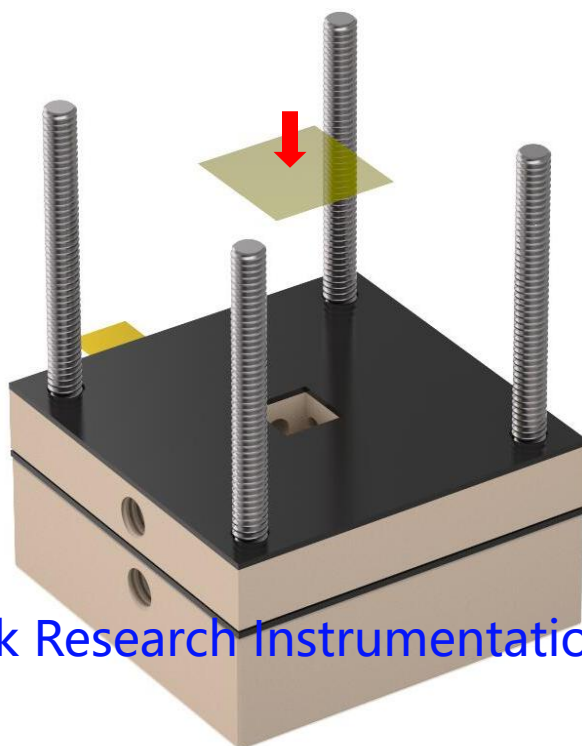
4 Place the cathode electrolyte chamber.

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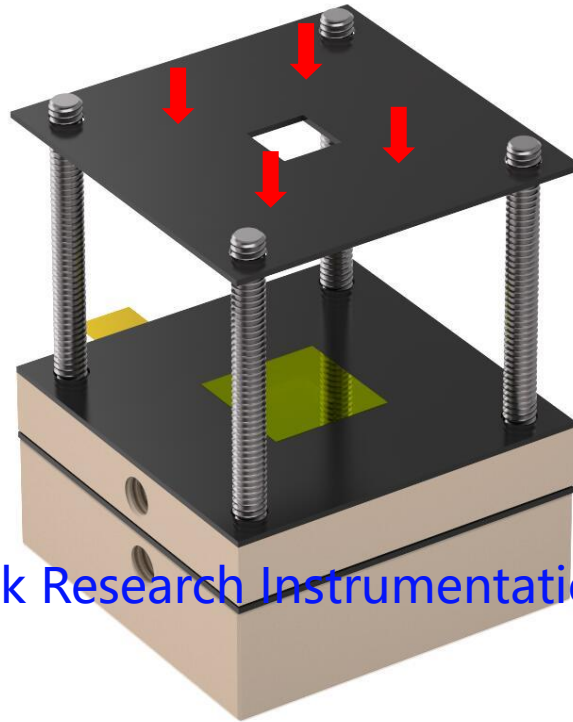
5 Place the sealing gasket.



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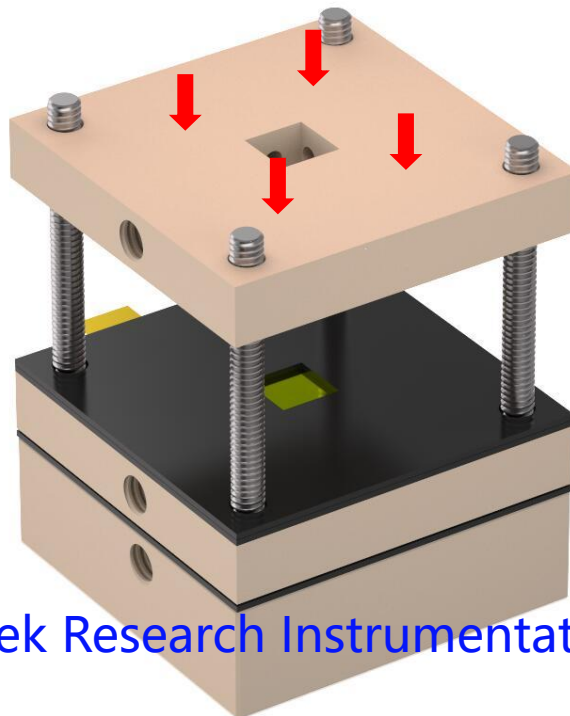
6 Place the ion exchange membrane (Note: The ion exchange membrane must be larger than the area of the intermediate cathode electrolyte chamber).

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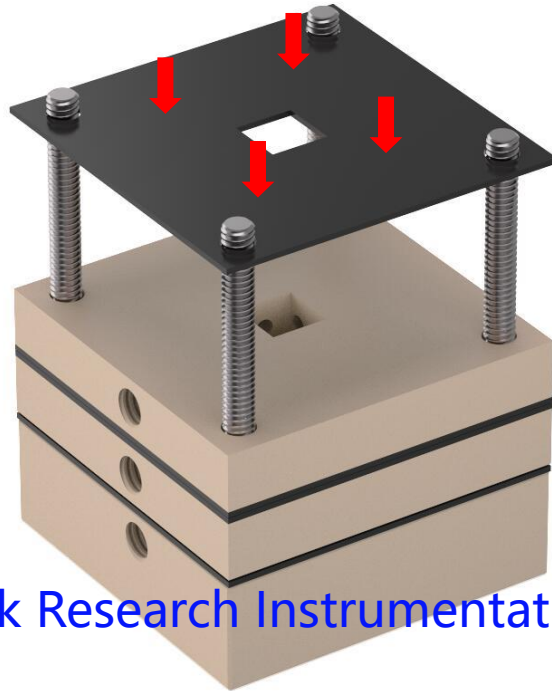
7 Place the sealing gasket.



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8 Place the anode electrolyte chamber.

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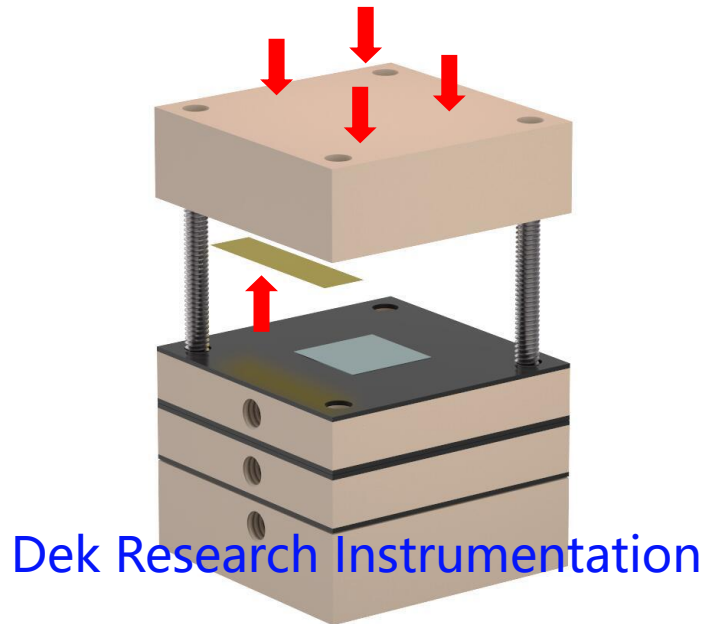
9 Place the sealing gasket.



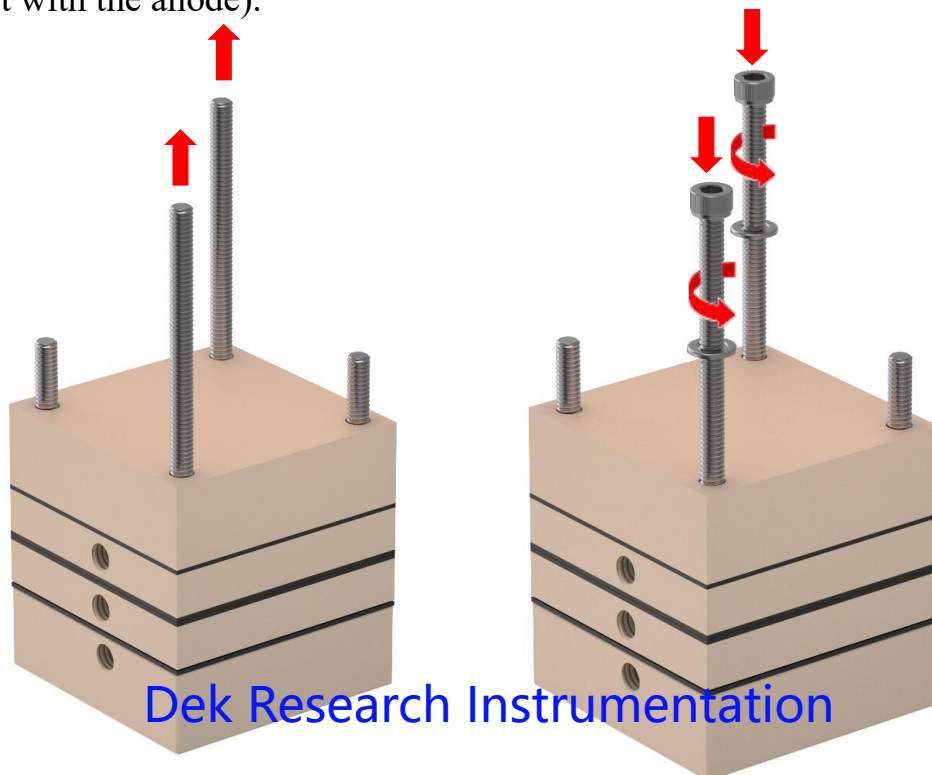
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10 Place the anode (platinum sheet, foam nickel, etc.)

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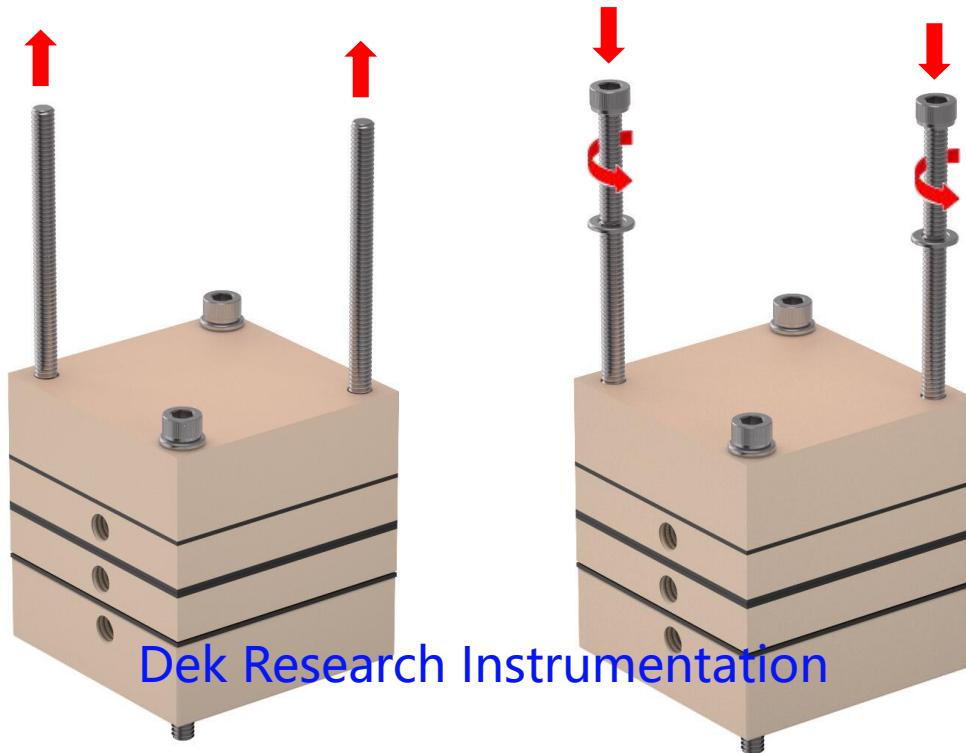
11 Attach the conductive copper foil to the end plate chamber, and then place the end plate chamber (ensuring the conductive copper foil is in contact with the anode).



12.1 Remove the two positioning rods at the diagonal positions.

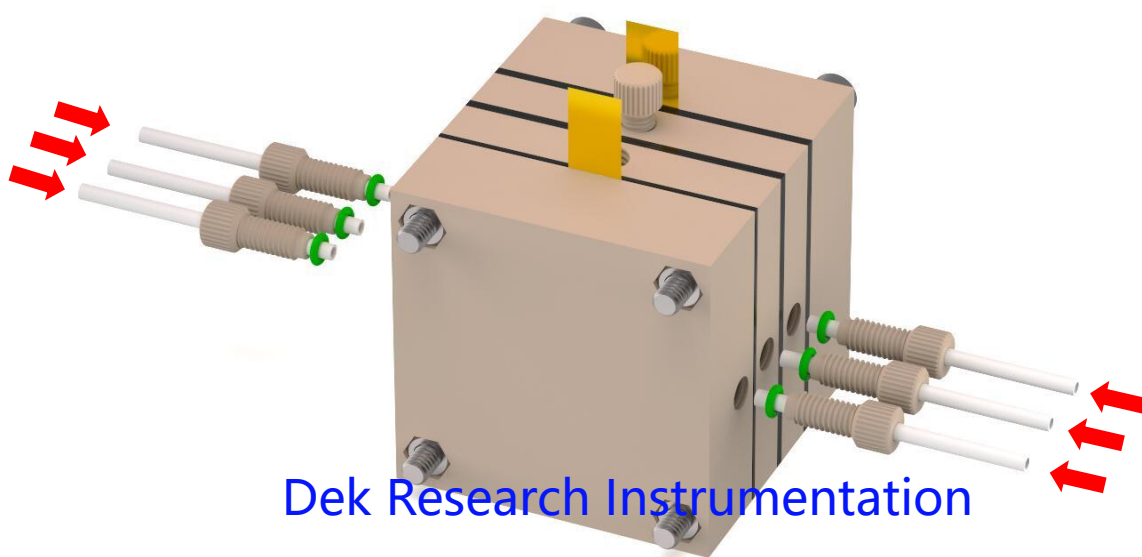
12.2 Place the metal spacers diagonally and tighten the fixing rods.

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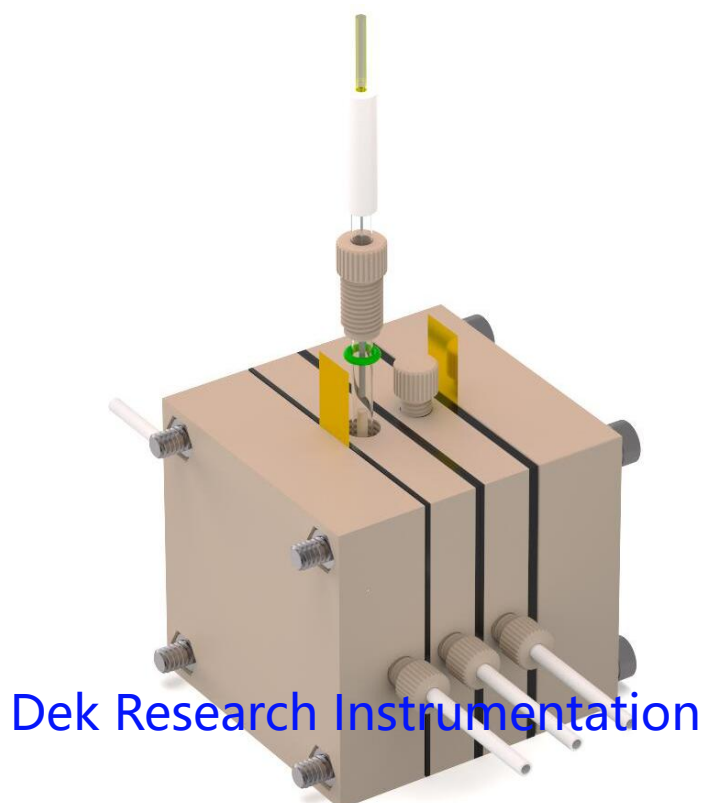
13.1 Remove the remaining 2 positioning rods.

13.2 Place the metal spacers diagonally and tighten the fixing rods. Install the fluoropolymer pipe.

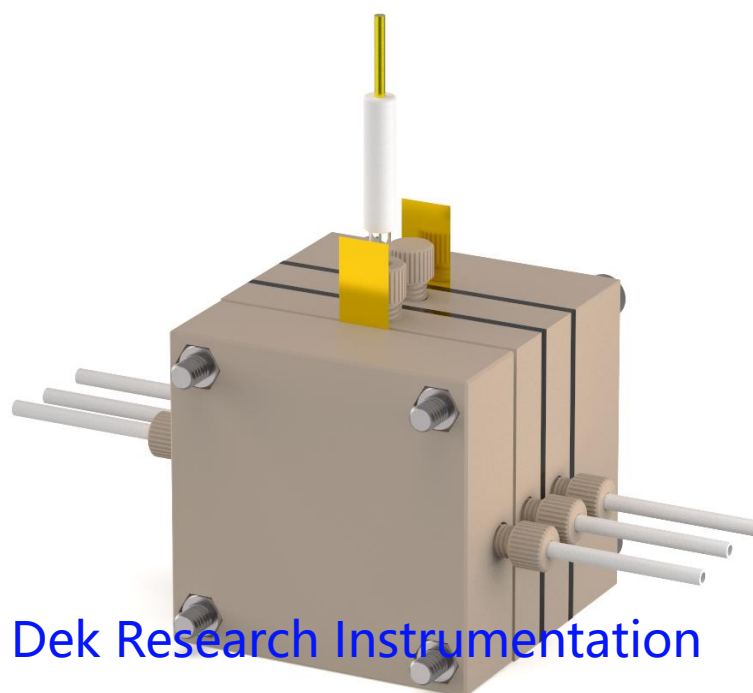


14 Install the PTFE tube.

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15 Install the reference electrode.



16 Assembled.