

### DJS conductivity electrode use:

The electrode is a conductivity meter measuring element for measuring the conductivity of aqueous solutions or as conductance titration.

Model	DJS-0.1	DJS-0.5	DJS-1C	DJS-5
Cell constant K	0.1±0.02	0.5±0.2	1±0.2	5±0.25

### Maintenance and precautions:

1. The electrode has two bright and platinum-plated black, platinum-plated black aim is to increase the effective area of the electrode sheet to prevent and weaken the polarized electrodes to measure the conductivity of the solution using a platinum-plated black electrode is more appropriate.
2. platinum black plated electrode can be soaked before use in deionized water to prevent platinum black inerting.
3. platinum black coating off or fade, then it must re-plating platinum black, to ensure the accuracy of the measured data.
4. The electrode factory when the electrode conductivity cell constant tight marked for reference, the standard test cell constant is accurate or not, according to the measured concentration of the solution and the temperature, conductivity Richard corresponding C standard solution, and then the measured conductivity meter displays the value P calculated conductivity cell constant K:  $K = C / P$ .

Model	Concentration	The solution temperature	Conductivity value ms / cm C
DJS-0.1	0.001mol/L KCL	25 30	$1.468 \times 10^{-4}$ $1.64 \times 10^{-4}$
260. DJS-1	0.01mol/L KCL	25 30	$1.413 \times 10^{-3}$ $1.552 \times 10^{-3}$
DJS-10	0.1mol/L KCL	25 30	$1.28 \times 10^{-2}$ $1.414 \times 10^{-2}$