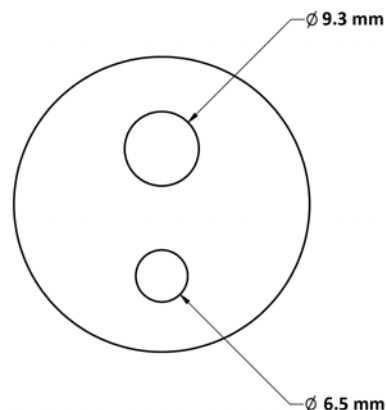




PTC2



Cell top

The Plate Test Cell Kit(PTC2) is a sample cell for electrochemical testing of coated samples. Also it can be the perfect choice for measuring EIS(Electrochemical Impedance Spectroscopy) of painted metal specimens.

The PTC2 is very easy to assemble. Just follow the below procedure.

Assembly of the cell kit

- a) Gently push the counter electrode and reference electrode into the holes of the cell top
- b) Place the metal sample (working electrode) of the PTC2 base
- c) Place the glass cell body on top of the sample and make sure that the o-ring fits in the groove of glass cell body. Before run the test, it is recommended to check whether the cell is leaking or not.
- d) Clamp the cell body to the base
- e) Fill the cell with the test solution
- f) Place the cell top on the cell
- g) Connect the cell to the test instrument

Specifications

Dimensions

Base	131(W) * 890(D) * 90(H) mm, 160mm long foot
Cell body	- external diameter of lower part : 54mm - external diameter of upper part : 36mm - internal diameter : 31mm - length : 80mm
Cell top	- 1 st hole : 9.3mm diameter - 2 nd hole : 6.5mm diameter

Test solution required	max. 450ml
Sample	
Size	at least 6cm on each side (rectangular metal sample)
Thickness	up to 10mm
Reference Electrode (option)	
Type	SCE with porous Vycor® junction
Size	9 mm diameter OD & 4mm diameter OD
Counter Electrode (option)	
Type	High Density Graphite Rod
Size	6 mm diameter, 12" long

Parts Included

1. Cell Body	Pyrex®
2. Base and Cell Top	Teflon®
3. Cell Clamp, Metal	Stainless steel
4. O-ring	Viton®

Optional Items

1. Graphite Rod, Counter Electrode, 12" long, 6mm OD	GR002H
2. Saturated Calomel Reference Electrode	KS1001
3. Ag/AgCl Reference Electrode	KS1004