



HCELL1 with optional Pt plate counter electrode

The H-Type Cell, HCELL1, consists of two glass cell which can be interconnected by a membrane or a permeation foil, which should be prepared by user. Each cell chamber may be filled with a different solution and they are linked together by a clamp. The volume of each cell is 1 liter and all wetted parts are made of chemically resistant materials such as Teflon, Pyrex and SUS 316.

The "standard" cell configuration consists of a flat specimen holder for working electrode, a graphite rod counter electrode or platinum flag type electrode, a reference electrode in a Luggin capillary and a gas bubbling tube.

The graphite rod counter electrode, platinum flag type electrode, flat specimen holder and a reference electrode should be ordered separately.

Specifications

Dimensions

Cell Vial Volume	1 liter maximum * 2ea
Sample Volume	about 750 ml / each vial
Size	Approximately 14 cm diameter by 30 cm high including electrodes and adapters

Cylindrical Sample Holder Material

Tube	Pyrex, Ø1/4"
Compression Gasket	Teflon®
Cylindrical Metal Sample	Steel

Chemical Compatibility

Wetted Materials	Pyrex®, Teflon®
Non-Wetted Materials	Above, plus stainless steel and Viton®

Graphite Counter Electrode (option)

Type	High density graphite rod
Size	6 mm diameter by 30 cm length

Pt Flag Type Counter Electrode (option)

Pt Plate	Active Area : 5 cm ² or 25 cm ² , 0.2mm thickness
Length	150mm
Glass Tube Diameter	6mm
Rod Material	Brass

Reference Electrode (option)

Type	SCE or Ag/AgCl reference electrode
Size	9 mm diameter OD & 4mm diameter OD

Flat Specimen Holder (option)

Specimen Diameter	15.5mm ~ 22mm
Specimen Thickness	0.3~5.8mm

Parts Included

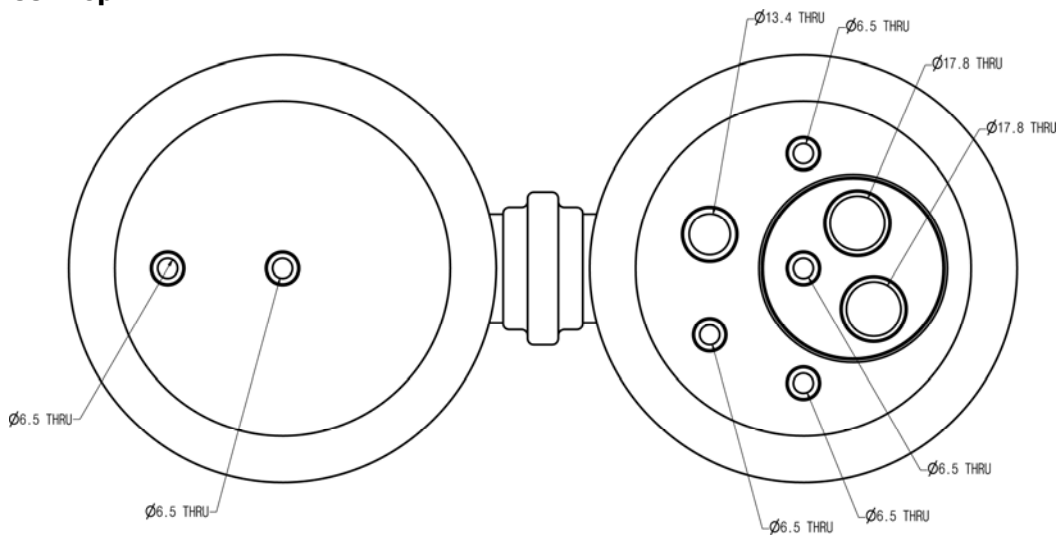
1. Cell Vial	Pyrex®, O-ring type beaker, 1L, Ø103(OD)*157(H), 2ea
2. Cell Clamp	Stainless steel
3. Clamp for connecting the half cells	Stainless steel
4. Luggin Capillary	Pyrex®
5. Bubbler Adapter Gas Inlet	Pyrex®
6. Cell Top	Teflon®
7. Cylindrical Metal Sample & Tube	Steel / Pyrex® tube, Ø6.35* Ø4.35
8. Other miscellaneous such as stopper / O-ring	MC Nylon® / Viton®

Optional Items

1. Flat Specimen Holder	FSH2
2. Graphite Counter Electrode	GR002
3. Pt Plate/Mesh Counter Electrode	PFL5/PFL9/PFL16/PFL25 depending on active area (5cm ² /9cm ² /16cm ² or 25cm ²) PFL25M (mesh type, 80 mesh)
4. Ag/AgCl Reference Electrode	1004
5. Saturated Calomel Reference Electrode	1001

(Please contact us for other replacement parts.)

Cell Top



Flat Specimen Holder, FSH2



Pt Flag Type Electrode, PFL



Saturated Calomel Reference Electrode, 1001



Ag/AgCl Reference Electrode, 1004



Graphite Rod, GR002



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