



DATASHEET:

C-Flow LAB 1x1 Electrochemical Cell



C-Flow LAB 1x1 is a hand-assembly laboratory electrochemical cell with a 10 mm x 10 mm electrode area. It has been designed for experimental work with a working volume of 1 ml of electrolyte from inlet to outlet, ideal for working with exotic or expensive solutions.

Features

- Quick assembly by hand; no tools needed
- A stand is provided for easy dismantling and assembly
- Accepts any electrode material of any thickness from microns up to 8 mm
- Configurable as divided or undivided flow cell
- Templates provided for easy cutting of membranes and gaskets
- Improved flow distributor and electrode assembly (patent applied for)
- Port for addition of reference electrodes

Also Available

C-Flow LAB 5x5

Electrochemical hand-assembly cell with a 50 mm x 50 mm electrode area

Specifications

Unit height	110 mm
Unit width	70 mm (95 mm with fittings)
Unit depth	60 mm (135 mm with fittings)
Unit weight	1200 g
End-plates	Laser-cut 304 stainless steel
Cell Frames	CPVC
Electrodes	Flat plate, carbon as standard.
Current collectors	Brass
Electrolyte ports	PEEK/ETFE. UNF 1/4"-28 to 1/8" OD Tubing.
Electrode dimensions	10 mm x 10 mm
Electrode Gap	6 mm
Operating Conditions	Operating temperature– up to 80°C Flow range – depending on fluid properties. Pressure to 1 bar (g)



C-Flow is a registered trademark of C-Tech Innovation Ltd

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