IVIUM TECHNOLOGIES

innovative solutions for electrochemical research

Ivium MCF Cell

Multi-Functional Magnetic Flat cell:

- Magnetic
- Electrode
- Flat cell
- Can be clamped:
  - to any steel object
  - in any position
- Applications:
  - Corrosion
  - Coatings
  - Materials

- In the Field
- In the Laboratory

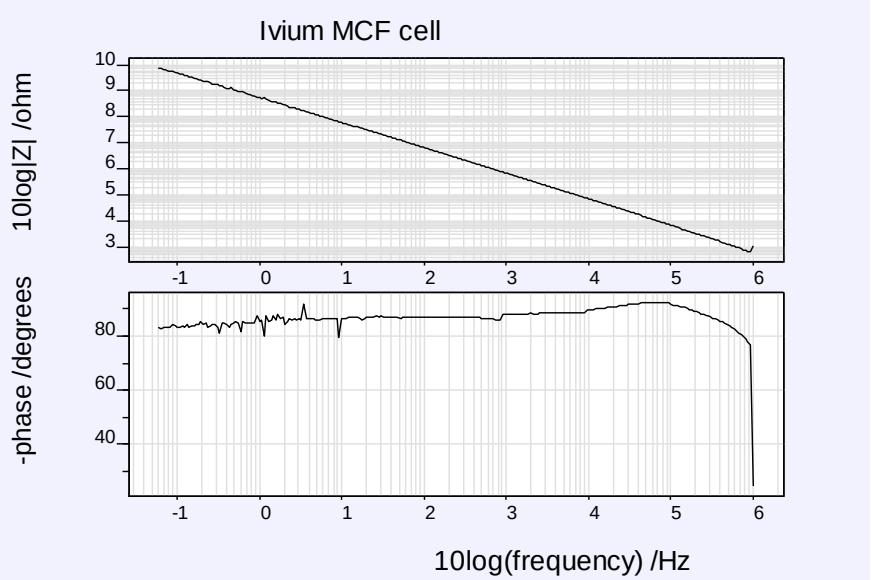
Coating resistance: EIS measurements without damaging the coating!

The MCF cell is magnetic and can be clamped to objects in any position. In this way the object constitutes the bottom of the flat-cell, and the object itself can be used as electrode. The cell can be filled using a tube that leads directly into the cell. A similar tube allows air to escape to ensure a completely filled cell. A rubber seal prevents electrolyte leakage. The back of the cell consists of a stainless steel counter electrode. If desired a reference electrode can be placed near the electrode using either one of 2 holes designed for this purpose.

IviumTechnologies
De Zaale 11
5612AJ Eindhoven
The Netherlands

tel. +31 40 2390600
fax. +31 40 2390601
e-mail: info@ivium.com
web: www.ivium.com

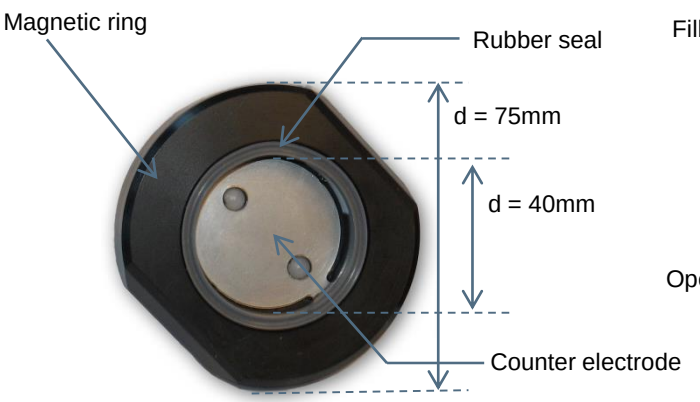
Coating Test



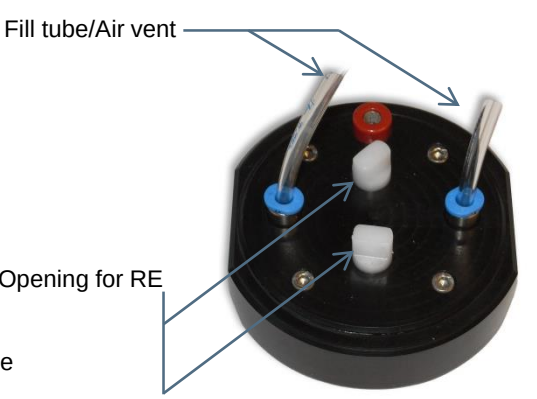
EIS measurement of coated Stainless Steel 416; CompactStat and Ivium MCF cell, 1MHz-0.06Hz, amplitude 20mV, rainwater electrolyte

Specifications

Bottom view



Top view



Dimensions

- Size

MCF cell

outer diameter:	75mm
height:	30mm

Fill tube:	4 mm/2.2mm
RE opening:	6.2mm

Cell compartment

diameter:	40mm
height:	10mm
volume:	12.5 cm^3

- Weight: 150 gram
- Materials:

Cell –	POM
Electrode –	Steel 316L
Seals –	Silicone rubber