

Ivium MCF Cell



- In the Field
- In the Laboratory

Multi-Functional Magnetic Flat cell:

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

**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.



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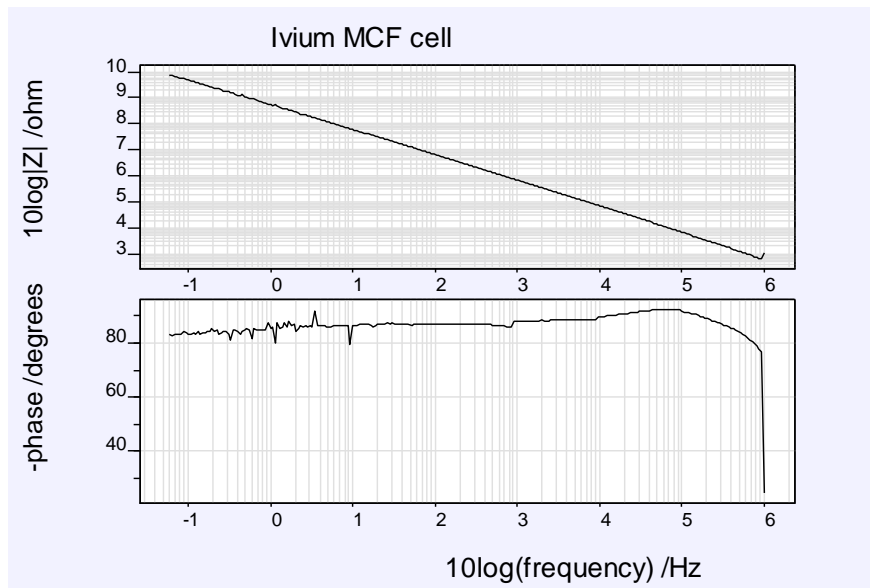
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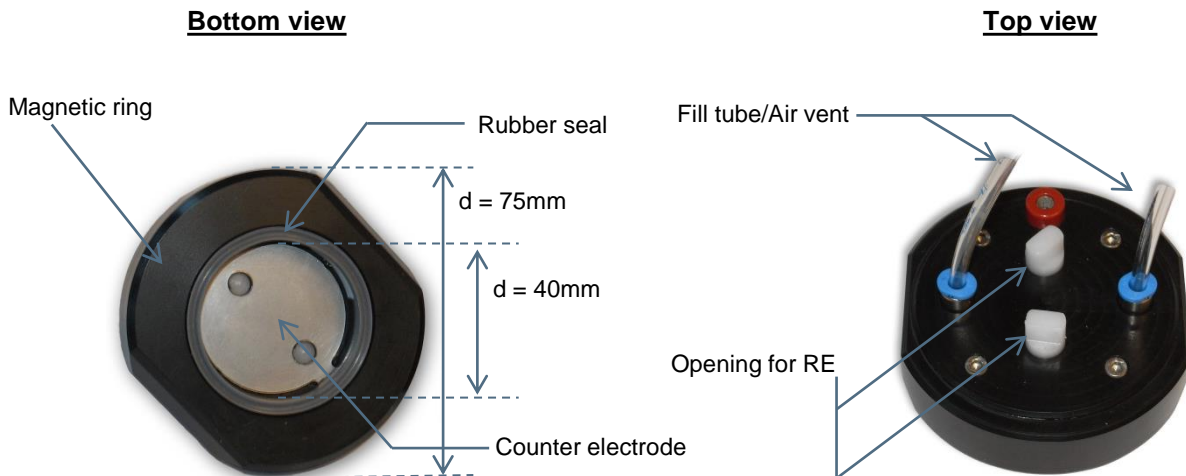
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EIS measurement of coated Stainless Steel 416; CompactStat and Ivium MCF cell, 1MHz-0.06Hz, amplitude 20mV, rainwater electrolyte

Specifications



Dimensions

- Size

| | | |
|-----------------|------|-----------------------|
| MCF cell | | |
| outer diameter: | 75mm | Fill tube: 4 mm/2.2mm |
| height: | 30mm | 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 |