

Q-Sense Electrochemistry Module



● Q-Sense Electrochemistry Module, QEM 401, allows for simultaneous QCM-D electrochemistry or QCM-D / EIS measurements. The design enables flow measurements, and withstand the harsh conditions necessary for some electrochemistry applications.

Its compact design makes it possible to use up to four modules simultaneously on the Q-Sense E4 system and the module also fits the Q-Sense E1 system. The QCM-D sensor doubles as a working electrode for electrochemistry measurements. A platinum counter-electrode also acting as top wall of the chamber reduces the volume above the sensor to about 100 μl . A no-leak Ag/AgCl reference electrode is included in the outlet flow channel.

Besides the electrodes, Viton® (o-rings) and Teflon® (flow channels inside the module) are the only additional materials exposed to liquid. QEM 401 is delivered complete with all necessary accessories including cables, and fittings. The QEM 401 is compatible with most potentiostats. Please contact your local sales representative for more information about compatibility and electrochemical application possibilities. ● ● ●

● SPECIFICATIONS: QEM 401

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| Sensor crystals | Compatible with all Q-Sense 14 mm sensor crystals |
| Internal volume | ~100 μl (above the sensor) |
| Type of measurements | For flow or stagnant liquid measurements |
| Materials exposed to liquid | Teflon®, Viton® (O-ring), electrodes |
| Cleaning | All parts may be disassembled for separate cleaning |
| Dimensions | Height: 46 mm Width: 35 mm Depth: 63 mm |

● INCLUDED ELECTRODES

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|---------------------|--|
| Working electrode | The sensor itself |
| Counter electrode | Platinum plate |
| Reference electrode | Cypress system EE009 No leak Ag/AgCl in PEEK, 2 mm \varnothing |

Specifications subject to change without notice

www.q-sense.com