

## AW-PEQ11Q eQCM 14 mm in batch probe

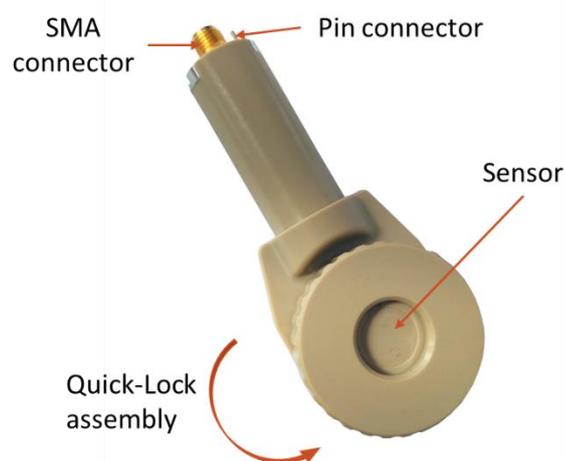
- For use with BluQCM instruments
- For eQCM 14 mm wrapped sensors
- For eQCM In batch applications

General	
Sensor	QCM 14 mm WRAPPED
Connector	SMA
Dimensions (mm)	46,4 (ID) x 50 (OD) x 72 (H)
Assembly mechanism	Quick-Lock
Suitable for immersion	Yes, when fully assembled, except connectors.
Electrochemistry (EQCM)	Optionally (Pin connector for WE connection included)

Materials	
Body	PEEK
O-ring	Perlast®

Chamber –optional use	
Vial volume	100 mL
Cover material	PTFE
Plugs material	PEEK
Cover connections	1. Probe cell 2. Reference electrode 3. Counter electrode 4. 2x standard 1/16" OD tubing

Electrodes – for use in EQCM applications (optional)	
Reference electrode	6 mm body diameter
Counter electrode	6 mm body diameter



## Cleaning recommendations and maintenance

- Generally, use a soft and clean, lint-free cloth to clean the cell.
- Use solvents that do not attack the cell materials (check chemical compatibility information).
- Dry the cell with streams of nitrogen gas.
- Avoid touching the seals and contacts to prevent damage and protect them from dust and oil.
- Keep electrical connectors clean by occasionally rubbing ethanol over them.
- Store the cell in its original packaging when not in use.

## Assembly/Disassembly

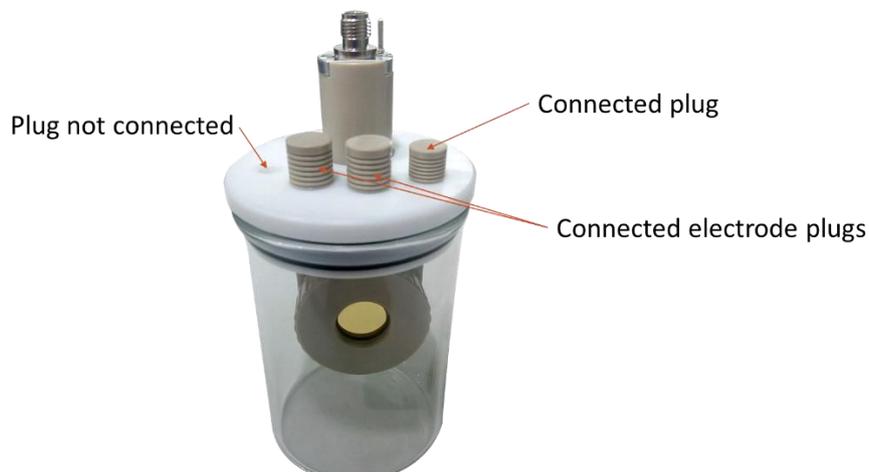


BluQCM cell adapter and 60 cm SMA to Cell cable are included.

A screwing tool is included as an accessory. Its use is only recommended for unscrewing the cell (if necessary).

## Chamber use recommendations

- Proceed to fully assembly of the cell into the chamber with one of the plugs not connected.



- A feedthrough plug is included for use with standard tubing for purging purposes (if required).



#### Chemical compatibility of materials (guidance)

**PEEK** Polyether ether ketone, is a semi-crystalline thermoplastic with excellent mechanical and chemical resistance properties that are retained to high temperatures (up to 260 °C). It is resistant to radiation as well as to a wide range of solvents, both organic and aqueous. With its resistance to hydrolysis, PEEK can withstand boiling water and superheated steam used with autoclave and sterilization equipment at temperatures higher than 250 °C. It is attacked by halogens and strong Brønsted and Lewis acids as well as some halogenated compounds and aliphatic hydrocarbons at high temperatures. It has high resistance to biodegradation.

**Perlast®** Perlast® (trademark of Precision Polymer Engineering Ltd) is a high-performance perfluoroelastomer material (FFKM). The most chemically resistant elastomer available, a rubber form of PTFE, it displays good properties in applications where purity, high temperatures and retention of sealing force are important.

**PTFE** Polytetrafluoroethylene, is a tough, hydrophobic, nonflammable thermoplastic fluoropolymer, produced by the polymerization of tetrafluoroethylene. Certain alkali metals and fluorinating agents such as xenon difluoride and cobalt(III) fluoride can damage PTFE, but otherwise it is highly resistant.

Components manufactured with other materials may be available for applications with special requirements. Contact us for further information.