

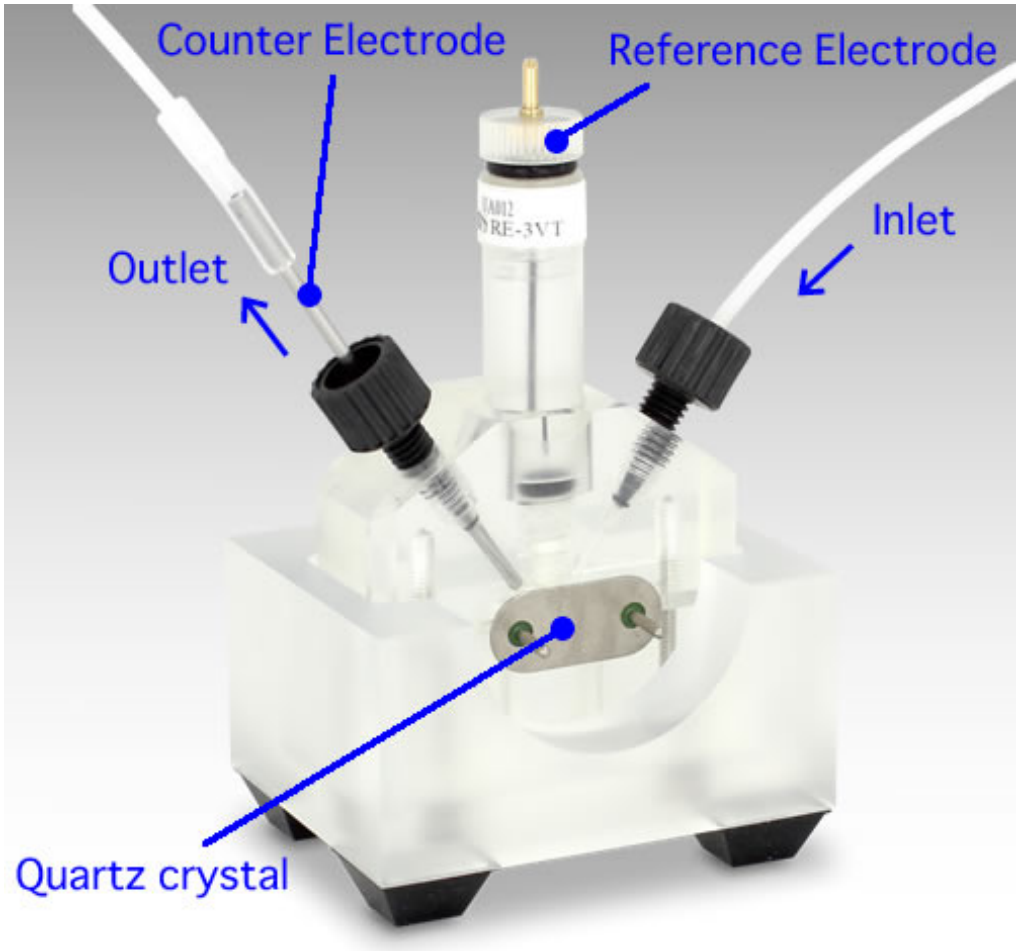
EQCMT Flow cell kit

The quartz crystal microbalance (QCM) technique under electrochemical frequency, analysis of electrode can be measured by the gold quartz crystal electrode. This technique is very useful to determine many compounds such as metal proteins, metal ions and thiol-conjugated oligonucleotides. The construction for EQCMT flow cell is simple. The gold quartz crystal electrode is sandwiched between two blocks as shown below.

日本語

中文

The two blocks of the EQCMT Flow cell are constructed using PEEK. It gives a high resistivity for chemical compounds.As well as QCM, these cell is reversible. With a inverted position of the blocks, it is possible to change from flow to static measurement.



EQCMT Flow Cell Kit - Components

Catalog No.	Description	Components
		Polymethyl pentene Flow Cell

013487	EQCMT Flow cell kit	Polymethyl pentene Cell Polymethyl pentene Cap Teflon tube Dynaseal PEEK (2 pcs) Fixing Screw (2 pcs) Silicon O-Ring (2 pcs) Flow Cell Holder Pt counter electrode Stainless tube (Counter Electrode for flow cell)
Optional Products		
010226	Quartz crystal Au (5 pcs)	
013447	Quartz crystal Pt (3 pcs)	
012772	Blank Crystal with holder (5 pcs)	
013488	RE-3VT Reference electrode screw type (Ag/AgCl)	
013489	RE-7VT Non Aqueous reference electrode(Ag/Ag ⁺)	
010534	Silicone O-ring (10 pcs)	

Sample data

The cyclic voltammogram, at 25 mV/sec vs. Ag/AgCl, of the 0.2 mM Copper Sulfate solution using EQCMT flow cell, and the simultaneously QCM measurement, are shown in Figure 2A (Flow system) and Figure 2B (Static system).

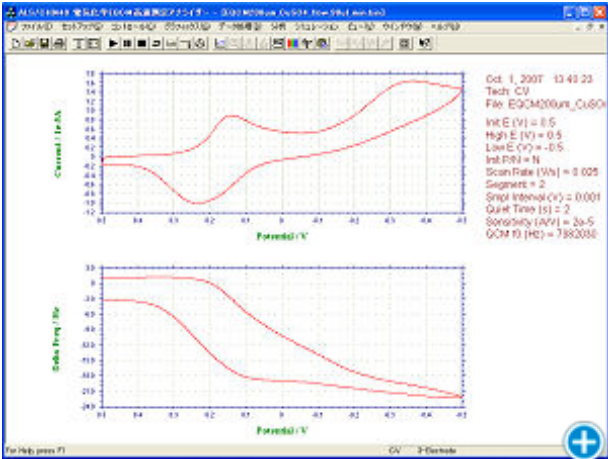


Figure 2A. Flow system, flow rate: 90 μ L/min

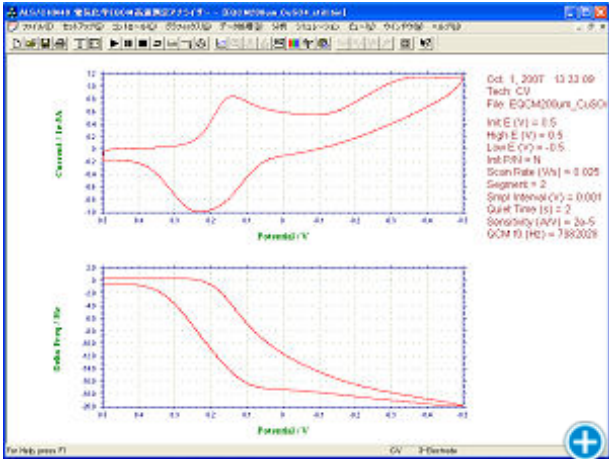


Figure 2B. Static system

Related product

QCMT Flow Cell kit

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