

QCM – Flow Through Liquid Cell System **LCS01**

Product description

The LCS01 is a complete measurement cell system designed for 0.5 inch quartz crystals allowing performing quartz crystal microbalance measurements in liquid environment. The system is built up by two components: the **flow through cell** (LC01) and the **flow cell holder** (CH01) which are also available separately.

The flow-cell itself consists of two parts: the lower part holds the quartz crystal and provides the electrical contacts to the crystal's electrodes, the upper part contains the inlet and outlet channels together with the tube connections. Each part includes an x-ring, between which the quartz crystal gets clamped, resulting in a sealed measuring chamber through which the sample passes and comes in contact with the gold electrode of the quartz crystal.



Technical data

Compatible QCM crystal size:	0.538 – 0.551'' (13.7 – 14.0 mm)
Chamber volume:	~25 μ l
Chemical stability:	aqueous solution, biological buffer
Electronic connector:	BNC (adapter to SMB optional available)
Flow through tube connection:	1/4''-28 UNF port thread for 1/16'' outer diameter tubes