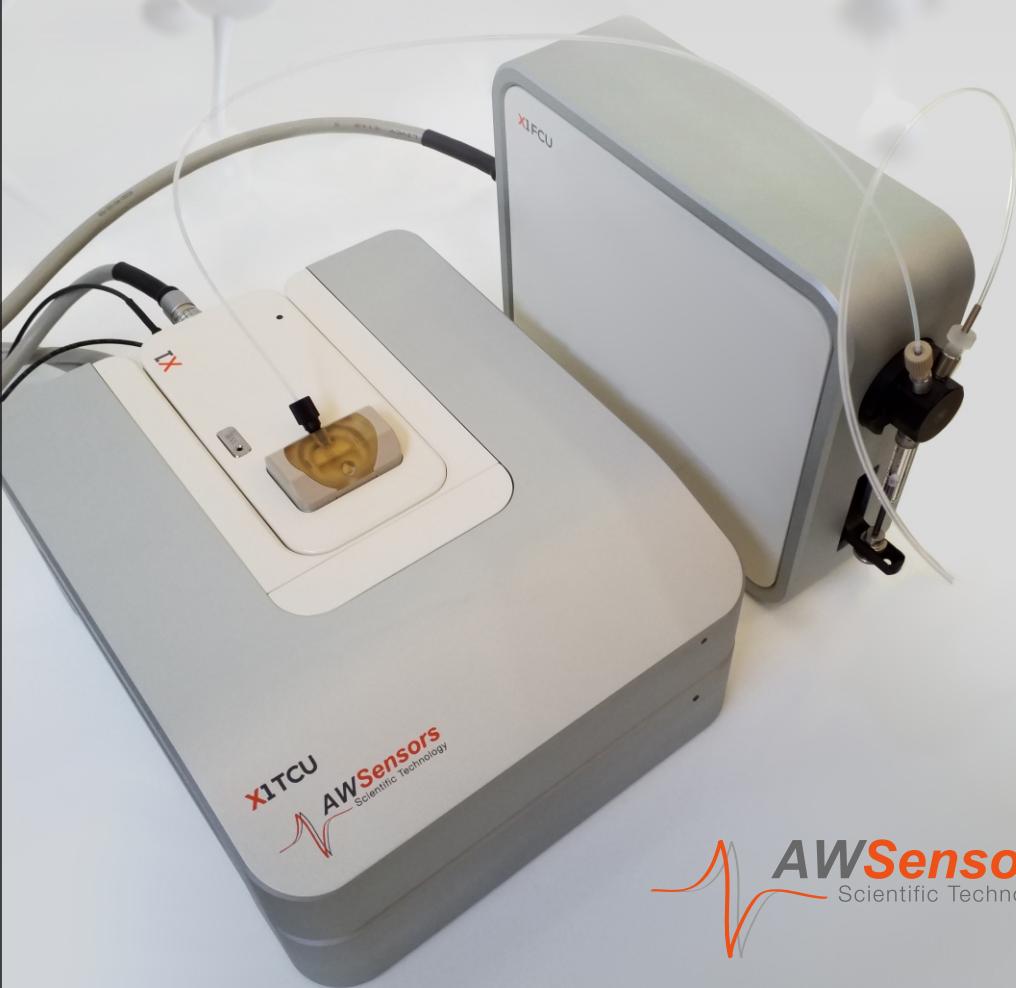


THE fastest and
most sensitive QCMD
instrument on the market

X1



AW Sensors
Scientific Technology



Main features

- Multiple overtones measurements (up to the 13th overtone for a 5 MHz sensor)
- Integrated potentiostat control for electrochemical measurements
- Space saving and light weight design
- Modularity to fit various budgets and applications
- Classical, HFF and LOVE-SAW sensors
- Accessories



General operation specifications

Number of cell units (channels)	1
Type of sensors	QCM, AWS HFF - QCM, AWS Love - SAW
Number of overtones	Up to 7 (fundamental + 6 overtones)
Operation frequency range	4 MHz - 160 MHz
Max. Frequency resolution	0.1 Hz
Frequency accuracy	± 0.5 Hz
Temperature control range	15 °C - 45 °C
Temperature stability	± 0.05 °C
Maximum time resolution	250 sps
Normal mass sensitivity in air	8 pg/cm ²
Normal dissipation sensitivity in air	1.71x10 - 10
Normal mass sensitivity in liquid	0.6 ng/cm ²
Normal dissipation sensitivity in liquid	3.5x10 - 8
Dimensions, (H x W x D) / Weight	150 x 220 x 260 mm (stacked system) / < 8 Kg

Advanced Wave Sensors

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