

Company Description

Sailbri Cooper, through its Cooper Environmental Division is the recognized global leader in near real time metals measurement technology. The company was the first to develop and commercialize near real time measurement of metals using X-ray fluorescence (XRF). Its ambient metals monitor, the Xact 625i, is capable of measuring up to 67 different elements simultaneously with detection limits that rival laboratory methods. It has demonstrated accuracy in numerous studies and peer reviewed journal articles and it is used by researchers, environmental agencies and metal producing industries throughout the world including the U.S. EPA, Environment Canada, California Air Resources Board, South Coast Air Quality Management District (Los Angeles), National Institute of Environmental Research (Korea), National Environmental Monitoring Center (China), Queensland EPA (Australia), University of Toronto (Canada), University of Massachusetts, Paul Scherrer Institute (Switzerland), Imperial College (London), University of Birmingham (UK), and the Indian Institute of Technology in Delhi and Kanpur. In addition to its ambient metals monitor the company also makes instruments to measure metals in smoke stacks and water and it offers a complete line of low cost sensor based measurements for criteria pollutants (SO₂, CO, O₃, NO₂, PM₁₀ and PM_{2.5}), hazardous gases (HCl, Cl₂, H₂S, HF, NH₃) and total VOCs.

Products

Xact 625i Ambient Metals Monitor This instrument uses X-ray fluorescence (XRF) to measure up to 67 elements in particulate matter (PM) simultaneously. The instrument has been certified by the U.S. EPA and is installed in over 200 installations throughout the world. It is primarily used to identify sources of PM_{2.5} pollution.

Xact 920 Continuous Metals Water Analyzer This instrument can measure up to 65 different elements in water simultaneously using the same XRF technology as the Xact 625i. The instrument can help in monitoring industrial and municipal wastewater and data from the instrument can help water treatment systems operate more efficiently.

Xact 640i Multi-Metals Continuous Emissions Monitor This instrument can measure more than 60 different elements simultaneously in stack emissions. The Xact is the only multi-metals monitor that has been approved for compliance monitoring by the U.S. EPA.

SCI 608 Criteria Pollutant Monitor The SCI 608 is a low cost sensor module for monitoring criteria pollutants such as SO₂, NO₂, CO, O₃, PM₁₀ and PM_{2.5}. The instrument uses a unique machine learning calibration algorithm that produces excellent accuracy at a low cost. The instrument can be used to help better understand the distribution of air pollution in air sheds.

SCI 700 Hazardous Gas Monitor The SCI 700 uses low cost sensor technology to monitor for hazardous gases like HCl, H₂S, NH₃, Cl₂, HF and VOC's.