Submersible Particle Size Analyzer

LISST-200X
The LISST-200X replaces our old workhorse: the LISST-100X laser diffraction particle size analyzer. It remains the best instrument for measuring particle size and concentration in rivers, streams, ports, harbors, coasts and oceans whether for biological, sediment transport, or environmental monitoring needs. For marine optics applications it provides the small-angle Volume Scattering Function.

20 years of LISST-100X experience combined with feedback from users has led us to create this Smaller, Deeper, and Smarter Particle Size Analyzer. The LISST-200X is significantly smaller than the LISST-100X but it has also been made stronger and is now able to make measurements at twice the depth, up to 600 meters. Improved optics cover the size range 1.0-500 µm in 36 size classes formerly requiring Type B and Type C instruments. The optics are more robust and have improved rejection of ambient light. A superior depth sensor and faster temperature sensor improve profiling data. The 25 mm optical path allows a wider working range of particle concentration Auxiliary information, such as calibrations and background files, are stored in the saved data file. All information needed to process the data are included in this single file, therefore alleviating the need for tracking multiple files.

The new LISST-200X also outputs the Mean Size and Total Concentration as analog voltages while simultaneously storing the full size distribution internally for later downloading. This allows real-time monitoring of summary data during profiles via existing CTD interfaces. A full range of accessories are available for the LISST-200X including small and large External Battery Packs, Mixing Chamber, Flow Through Chamber, BioBlock Anti-Fouling Shutter, Stettl Column, Path Reduction Modules, and towed and AUV configurations.

Next generation particle size is simply easier, deeper and smarter.