

# LISST-PORTABLE

## Portable Particle Size Analyzer

### • Particle Size Distribution • Particle Volume Concentration

The LISST-PORTABLE is a battery powered portable bench-top particle size analyzer developed for use in the field or in the laboratory. Using the same small-angle laser scattering principles as other LISST products, the LISST-PORTABLE analyzes samples in a wet-state and obtains particle size distribution and particle

volume concentration. A unique feature of the LISST-PORTABLE is the pumped mixing chamber designed for keeping the largest particles suspended. An optional flow through insert is available to allow for continuous online monitoring operation. The built-in datalogger is programmable for unattended use

over an extended period of time or it can provide measurements for immediate analysis using Windows software. Compact, lightweight, and housed in a moisture tight, shock resistant case, the LISST-PORTABLE is built for the rigors of field use.



SEQUOIA

**FEATURES**

- Small Angle Forward Scattering Laser Diffraction Technology
- Self contained with internal datalogger and rechargeable battery pack
- RS232 connection to PC for real-time size distribution displays
- Programmable data collection
- Parameters Measured: Particle Size Distribution, Particle Volume Concentration, Optical Transmission
- Built-in display and controls allow data collection without a PC
- Full featured Windows software including real-time size distribution display

**SPECIFICATIONS**

**Sediment Concentration**

Range: 1 mg-2,000 mg/L (approx. range; depends on grain size)  
 Resolution: <1mg/l

**Sediment Size Distribution**

Number of size classes: 32 (log-spaced)  
 Size Range: 1.25 to 250 microns or, 2.5 to 500 microns

**Mechanical and Electrical**

Dimensions: 7" tall x 11.5" deep x 17.5" wide (17.7 cm x 29cm x 44.3cm)  
 Weight: 10 lbs (4.5 Kg)  
 Internal Data Storage: 5000 size distributions  
 Battery life: 3 Hours (nominal; depends upon sampling rate)

