

ScatterScope Overview

ScatterScope3D measures and records sample scatter in about a 40 degree area surrounding the reflected (or transmitted) specular beam. Results are displayed as user selectable profiles, color related intensity plots or as a three dimensional simulation in BSDF units compatible with SEMI Standards. An increasing number of analysis tools are being developed to handle the data. The system is powered through the USB port of the provided laptop.



ScatterScope3D Specifications

Mechanical

Weight 10 lbs
Dimensions w/o computer 11" L, 8.25" W, 6" H

Electrical Requirements

Computer 120VAC typical
System USB port on computer

Optical

Measurement Lasers 635 nm wavelength, less than 1.0 mW power
Viewing LED Allows reflective sample area to be viewed.

Software

ScatterMaster Compatible with XP, Vista and Windows 7.

Measurement and Analysis

Scan Area Approximately 4.5 mm diameter circle.
Measurement Time Approximately 15 seconds
Analysis Reports are generated automatically. Data can be saved in Excel format

Data Storage

Numerical Results Stored in Excel Files
Pictures Stored in jpg, tif format