



Microtrac s3500 user manual

Microtrac Retsch GmbH Function & Features Downloads Versions & Accessories Request a quote MicrotracProductsParticle Size & Shape AnalysisLaser Diffraction (LD) analyzer, ideally suited for various particle characterization tasks. It is the first particle size analyzer that uses three precisely placed red laser diodes to accurately characterize particles like never before. The patented Tri-Laser System provides accurate, reliable and repeatable particle size analyzer for a diverse range of applications by utilizing the proven theory of Mie compensation for spherical particles and the proprietary principle of Modified Mie calculations for non-spherical particles. The S3500 measures particle size from 0.02 to 2,800 µm. Features Tri-laser, red, multi-detector, multi-angle optical system Algorithms that utilize Mie compensation and Modified Mie calculations for non-spherical particles complete protection of the optical components leading to little or no operator intervention Product Advantages Utilizing three red lasers, increases the range of samples Proprietary Modified Mie calculations allow users to accurately measurement reduces down time Fixed detectors provide rugged durability and assure proper positioning Small bench footprint reduces demand on valuable laboratory space Particle Size and Shape Analyzer S3500 Reviews from our customers "The S3500 has awesome image analysis capability. Using this instrument we have obtained high quality results. "Manik P. K.

MaheswaramAmerichem "Very easy to use system that provides consistent results. The S3500 has some good features and the customer service is great. "Robert GilmoreSavannah River Nuclear Solutions "Microtrac gives constant robust results. "Jean-Francois GrenierCoalia - Thetford Mines "Laser-diffraction-based particle size analyzer, very accurate in wet as well dry method of operation, very wide range 0.02-2000 micron. Highly recommended for mining and research industry."Basant RathAtional Mineral Development Corp. "Flex software to operate with S3500 is helpful and easy for all operators to set up parameters, use the testing program and get values of data clearly for printing out for saving for the next tests. "Kiet NguyenNQA Equipment & Chemicals "Instrument was sent in for service - Service/Technical Support tests." To find the "next ests." "Kiet NguyenNQA Equipment & Chemicals "Instrument was sent in for service - Service/Technical Support case sequents, bed in various fields such as: beverages, biotechnology, chemicals, food, medicine / pharmaceuticals, metal powders, metals, pigments, geogod sequents placed at correct angles for optimal scattered light detection from 0.02 to 165 degrees using 151 detector segments. DataVolume, number and area distributions as well as percentile and other summary dataData formatStored in ODBC format in encrypted Microsoft Access Databases to ensure compatibility with external statistical software applications. Data integrity may be ensured using FDA 21 CFR Part 11 compliant security features including password protection, electronic signatures and assignable permissions/Reasuring time~ 10 to 30 seconds/Power requirementsAC input: 90 - 132 VAC, 47 - 63 Hz, single phase 200 to 265 VAC, 47 - 64 Hz, single phase 200 to 265 VAC, 47 - 60 Hz, single phase 200 to 265 VAC, 47 - 60 Hz, single phase 200 to 265 VAC, 47 - 60 Hz, single phase 200 to 265 VAC, 47 - 60 Hz, single phase 200 to 265 VAC, 47 - 60 Hz, single phase 200 to 265 VAC, 47 - 60 Hz, single phase 200 to 265 VAC, 47 - 60 Hz