

Service Options



Aerodynamic Particle Sizer® (APS™)

3321

TSI® service, performed on an annual basis, helps to keep your APS™ 3321 in proper working order. TSI® offers two levels of service: Clean and Calibrate, and Repair, Clean and Calibrate. Read below to learn what is included in each service.



Clean and Calibrate Service includes:

Maintain

- Clean outer and inner nozzles in a sonicating bath
- Confirm all internal hardware is present and firmly attached, cable installation, fan operation, proper voltages at various points on main board
- Grease o-ring on inner nozzle to protect against leaks
- Align detector. If needed, align laser to ensure optimal particle detection by the double-crest optical system
- Calibrate internal pressure sensor, adjust pump voltages to design values and measure/adjust four volumetric flow rates

Replace

Parts

- Replace internal filters, tubing, and o-rings as necessary

Test

- Zero check: confirm the instrument measures zero particles when drawing a sample through a HEPA filter
- Measure counting efficiency at designated particle sizes (< 1 µm), calibrate aerodynamic sizing at designated particle sizes (0.5 to 20 µm) using PSL spheres
- Write final calibration curve to instrument
- Final test: verify/confirm aerodynamic sizing accuracy at selected particle sizes

Does NOT Include

Broken Parts

- Pump, display, laser diode
(In such cases, consider 'Repair, Clean and Calibrate' service)

Physical Damage

- Scratches, dents, or stains on the outer case

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Repair, Clean and Calibrate includes:

Repair • Repair or replace broken parts (e.g. pump, display, laser)

Clean and Calibrate • All actions in a standard 'Clean and Calibrate' service are then performed

Does NOT Include • Scratches, dents, or stains on the outer case

What Makes TSI® Service Valuable?

As a result of TSI® service, you are returned an optimally performing and updated instrument. The service is performed by TSI's experienced technicians for a fixed price. This simple service allows you to stay focused on the work that is important to you. The aerodynamic sizing accuracy of TSI's 3321 APS™ is verified with NIST traceable PSL spheres. TSI® is registered to ISO-9001:2015.

Request Service

Specify	Description
CL-3321	Clean and Calibrate
RP-3321	Repair, Clean and Calibrate

Call, or visit
tsi.com/requestservice



Knowledge Beyond Measure.

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