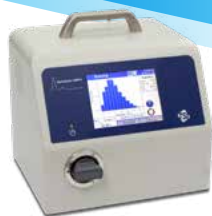




SERVICE OPTIONS

NANOSCAN SMPS 3910

TSI service, performed on an annual basis, helps to keep your NanoScan SMPS 3910 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	<ul style="list-style-type: none">+ Confirm basic functions, including battery ports+ Clean the wick port, manifold, mixing chamber, DMA, inlet cyclone+ Clean charger using a lint-free swab+ Align and collimate CPC laser
Replace	<p>Parts</p> <ul style="list-style-type: none">+ Replace wick, o-rings, nozzle, internal filters. Replace flow straightener within DMA to ensure sizing accuracy. Replace pumps and tubing if needed <p>+ Leak check at several stages during, and also after, reassembly</p>
Test	<p>Calibrate</p> <ul style="list-style-type: none">+ Calibrate inlet flow, high voltage, alcohol fill threshold+ Confirm accuracy of pump voltages and all other volumetric flows
	<p>Aerosol challenge tests</p> <ul style="list-style-type: none">+ Using a component-based SMPS as a reference, use four test conditions (low and high aerosol concentration, at both of small and large aerosol sizes) to confirm accuracy of:<ul style="list-style-type: none">+ Aerosol concentration measurement within 20%+ Aerosol size measurement (as indicated by geometric mean diameter of the measured aerosol distribution) within 20%
	<p>Zero check</p> <ul style="list-style-type: none">+ Confirm instrument passes a 1-hour zero check test <p>+ Clean inlet cyclone at end of aerosol testing</p>
Does NOT Include	<p>Broken Parts</p> <ul style="list-style-type: none">+ Valve, pumps
	<p>Physical Damage</p> <ul style="list-style-type: none">+ Scratches on external case

SERVICE OPTIONS



NANOSCAN SMPS 3910

Repair, Clean and Calibrate includes:

Repair	+ Repair or replace broken parts (e.g. pump, laser)
Clean and Calibrate	+ All actions in a standard 'Clean and Calibrate' service are then performed
Does NOT Include	+ Physical damage to 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 process allows you to stay focused on the work that is important to you. The calibration of the flows in the NanoScan SMPS 3910 is NIST-traceable. TSI is registered to ISO-9001:2015.

REQUEST SERVICE

Specify	Description
CL-3910	Clean and Calibrate
RP-3910	Repair, Clean and Calibrate

Call, or visit
[tsi.com/requestservice](https://www.tsi.com/requestservice)



UNDERSTANDING, ACCELERATED

TSI Incorporated - Visit our website **www.tsi.com** for more information.

USA Tel: +1 800 874 2811
UK Tel: +44 149 4 459200
France Tel: +33 1 41 19 21 99
Germany Tel: +49 241 523030

India Tel: +91 80 67877200
China Tel: +86 10 8219 7688
Singapore Tel: +65 6595 6388