



SERVICE OPTIONS

FAST MOBILITY PARTICLE SIZER (FMPS) SPECTROMETER 3091

TSI service, performed on an annual basis, helps to keep your FMPS 3091 spectrometer 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 column, charger, and inlet cyclone
Replace	Parts + Provide free updates as needed on instrument parts that may have changed since original manufacturing date to improve product quality + Replace internal filters, tubing, and charger needles
	Firmware + Ensure that all available firmware updates are installed
Test	Flows + Check for leaks, check/calibrate inlet and outlet flows, check and adjust charger flow
	Electrical + Check functionality of analog inputs and trigger + Check pump voltages, column heater, and electrometers + Check and adjust column voltages to ensure sizing accuracy
	Sizing and Concentration + Check and adjust total concentration measurement when comparing to a Reference CPC + Confirm EEPS' sizing and number concentration accuracy, vs. a Reference SMPS, using both polydisperse and monodisperse test aerosols
	Broken Parts + Pumps, electrical boards, display, etc. <i>(In such cases, consider 'Repair, Clean and Calibrate' service)</i>
Does NOT Include	Physical Damage + Physical damage to frame or housing

SERVICE OPTIONS



FAST MOBILITY PARTICLE SIZER (FMPS) SPECTROMETER 3091

Repair, Clean and Calibrate includes:

Repair	+ Repair or replace broken parts (e.g. extraction pump, display)
Clean and Calibrate	+ All actions in a standard 'Clean and Calibrate' service are then performed
Does NOT Include	+ Physical damage to frame or housing

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. TSI FMPS calibration is traceable to National Standards and Metrology Institutes (NIST and NPL UK) and other accepted values of physical constants. TSI is registered to ISO-9001:2015.

These TSI services come with a 90-day warranty on labor performed, or parts used, during the service.

REQUEST SERVICE

Specify	Description
CL-3091	Clean and Calibrate
RP-3091	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