

Service Options



Condensation Particle Counter (CPC)

3776

TSI® service, performed on an annual basis, helps to keep your CPC 3776 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 optics, align laser, and adjust laser power to optimize count pulse signal
- Inspect and clean orifices, inlets, and nozzles
- Calibrate analog-out voltages, verify proper performance of analog-in
- Confirm proper function of water removal system, front panel LED's, flash memory card, Ethernet port, front panel control knob

Replace

Parts

- Replace wick, air filters, liquid filters, o-rings
- Replace aged parts, as needed: discolored tubing, nozzle, orifice, lens

Firmware

- Ensure that all available firmware updates are installed

Test

Flows

- Leak check, and flow rate accuracy checks, for inlet flow and capillary flow

Sensors

- Calibrate temperature and fill sensors to ensure accuracy.
- Ensure accuracy of pressure measurements

Concentration

- Zero check: test CPC for 12 hours with a filter at the inlet to ensure accuracy at very low concentrations
- vs. reference CPC: compare your CPC's reading to a reference unit challenged in parallel. Agreement between the two instruments ensures accuracy of your CPC across the tested concentration range

Does NOT Include

Broken Parts

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

Physical Damage

- Physical damage to frame or housing

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Repair, Clean and Calibrate includes:

- | | |
|---------------------|--|
| Repair | ▪ Repair or replace broken parts |
| 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® CPCs are calibrated 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-3776	Clean and Calibrate
RP-3776	Repair, Clean and Calibrate

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



Knowledge Beyond Measure.

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

USA	Tel: +1 800 874 2811	India	Tel: +91 80 67877200
UK	Tel: +44 149 4 459200	China	Tel: +86 10 8219 7688
France	Tel: +33 1 41 19 21 99	Singapore	Tel: +65 6595 6388
Germany	Tel: +49 241 523030		