

Engine Exhaust Particle Sizer™ Spectrometer

Model 3090:RP-3090

Standard maintenance and calibration service for the Engine Exhaust Particle Sizer™ Model 3090 consists of these procedures:

- 1) Review written instructions or explanation of problem from customer
- 2) Initial inspection
- 3) Update manual, firmware, and software as necessary
- 4) Clean electrometer, chargers and cyclone
- 5) Calibrate charger flow, sheathe flow, sample flow, extraction flow and high voltage
- 6) Inspect and replace as needed: corona needles, filters, tubing, and O-rings
- 7) Leak check
- 8) Zero electrometers and ensure offset and RMS within specifications
- 9) Final electrical checkout and performance verification

Note: *The Engine Exhaust Particle Sizer™ Model 3090 should be shipped to TSI using the tie down strap sent with the instrument (see instrument manual for more details).*

Standard service includes minor repairs and replacement parts. Major repairs and replacement parts will be charged for parts and labor. TSI will contact the customer for approval before making any major repairs.

Turnaround time for standard service is approximately two weeks after receipt of the instrument. TSI service work is backed by a 90 day service warranty.

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