

## Automated Filter Tester

### Model 8160

Standard maintenance and calibration service for the Automated Filter Tester Model 8160 consists of these procedures:

- 1) Review written instructions or explanation of problem from customer
- 2) Initial inspection of instrument. Includes electrical and mechanical functions, penetration testing.
- 3) Update manual, and firmware as necessary
- 4) Service and maintenance on Condensation Particle Counters and Electrostatic Classifier (refer to applicable service procedures for additional information)
- 5) Clean instrument.
- 6) Evaluate condition of major components (vacuum pump, transducers, neutralizer, etc.) and advise recommended replacements as necessary
- 7) Inspect and replace as needed: filters, tubing, gaskets and O-rings
- 8) Verify atomizer flow rates
- 9) Final electrical checkout and performance verification with performance report. Perform 100% penetrations and monitor pressure drop.

**Note:** *The Automated Filter Tester Model 3160 must be shipped to TSI **without** the internal radioactive neutralizer (Model 3077 or 3077A). Also, the effective service life of the Kr-85 neutralizer is 10.4 years, regardless of use. For shipment and disposal of old neutralizers, or to purchase a replacement unit, contact TSI.*

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.

**On site service and maintenance contracts are available and recommended. This can be tailored to meet customer requirements. Contact TSI for more information.**

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