

AUTO-PROBE Q2000

United Sciences Testing Inc. has a patented process that supports 40 CFR Part 75 Relative Accuracy Test Audit (RATA). This fully automated technology is certified for U.S. EPA Test Method 2, 2G, 2H and CTM-041.

BENEFITS/ADVANTAGES

Automated process saves time and money during testing to calibrate continuous emissions monitoring system (CEMS). Four to eight probes, depending on duct shape, measure the gas velocity. With USTI, each probe is controlled individually and positioned automatically, hence, Auto-Probe. A 12-run test can be completed in 1 1/2 hours per test load. Manual testing requires as many as four hours per test load. The result with Auto Probe is less time and O&M expense to operate units at non-normal loads for testing.

Data are more accurate. Human error is eliminated. Manual testing overstates gas velocity. As a result, emissions are over-reported. With Auto-Probe software controls precision stepper motors to position each probe at the proper sampling point. Data from probes are collected and transmitted to laptop for storage on hard drive. Readings include differential pressure, temperature, barometric pressure, stack pressure, flow yaw. Positions are permanently stored on hard drive for easy recall. As a result, future audits can be repeated easily to within 1% accuracy.

More accurate emissions data can reduce environmental compliance costs. Reporting lower emissions means that fewer SO₂ and NO_x allowances have to be surrendered to U.S. EPA. Your company may be able to reduce the purchase of credits, bank credits, sell them or use them to offset emissions at other units. More accurate emissions data may also help your company reduce, defer or eliminate major capital expenditures for flue gas desulfurization systems (scrubbers) or selective catalytic reduction (SCR) systems that would be required to meet standards.

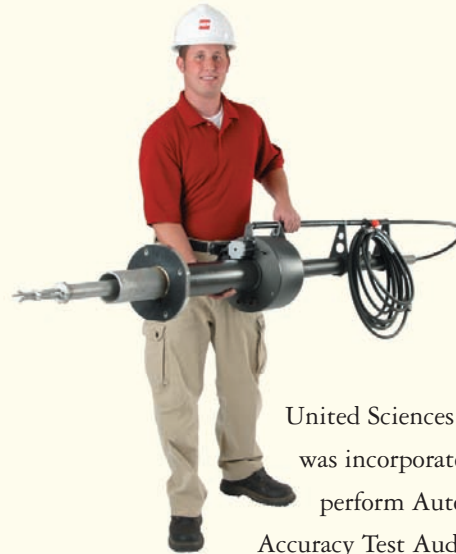
The key is USTI's Auto-Probe Q2000.

- S-type pitot tube held to tight tolerances (316L S Type S pitot tube and platinum resistive temperature device)
- Stepper motors and encoders for automatic, pinpoint positioning of each pitot
- Temperature-controlled electronic manometers for accuracy and stability
- Software for test protocol/execution and data retrieval
- Probes, four or eight depending on stack/duct shape, mounted to test port, controlled by laptop computer for simultaneous operation.
- Data transmitted and stored on disk. No manual entry.



**Do your emissions audits
include an automated process
that delivers accurate data
at reasonable cost
that can be repeated?
If not, you need United
Sciences Testing Inc. (USTI).**

- USTI provides RATA auditing services, or
- USTI will lease you its Auto-Probe Q2000 system and train your employees to conduct your own audits.



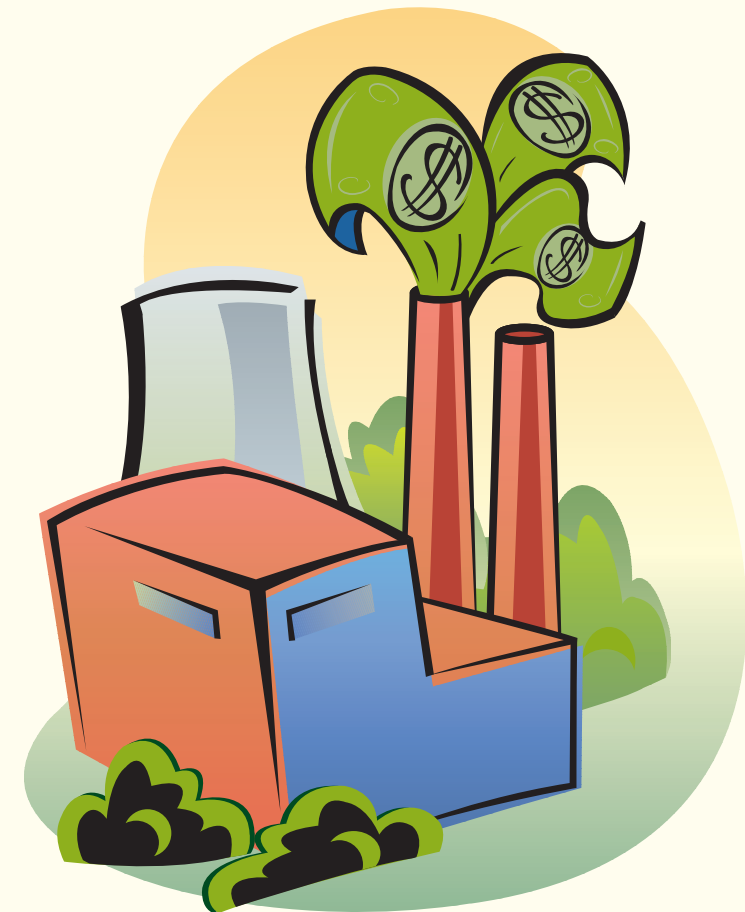
United Sciences Testing Inc. was incorporated in 1997 to perform Automated Relative Accuracy Test Audits. The company was created to meet the need for a more reliable, accurate and repeatable test program. USTI provides the only fully automated, proprietary, patented and EPA-approved process to support 40CFR75 audit needs. USTI currently services some of the largest utilities in the U.S. USTI's office is at 201 Commonwealth Drive, Warrendale, Pa., a suburb of Pittsburgh.

For more information about USTI and the Auto-Probe Q2000, go to www.ustirata.com. Or call USTI at: 724-778-6950.



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Is over-reporting emissions costing you?



**If so, you need United
Sciences Testing Inc.**