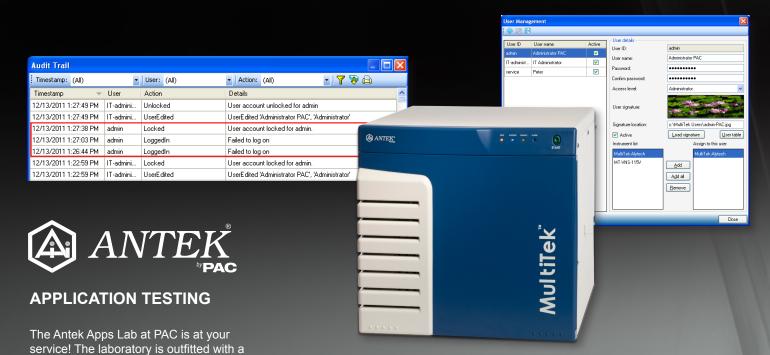


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wide variety of instrument configurations, ready to assist users with method development. Put our years of experience to work for you.

One standard application is provided at no charge with purchase of every MultiTek instrument. However, some user labs apply multiple test methods and sampling configurations. Our skilled chemists can characterize your samples and develop

analytical set-up and operating procedures that optimize the performance of your Antek MultiTek Elemental Analyzer. The MultiTek Application Testing Program is additional application testing performed at the factory on the instrument to be delivered. The MultiTek Standard and Premium Application Testing are performed with a sample of known (reference) or accepted reference value (ASTM PTP program sample) of PAC's

choice using one calibration range and one sample. A QC sample (~5 ml or ~5 g) will be provided. The MultiTek Custom Application Testing is performed to custom requirements. For all, a report will be prepared stating the method parameters, sample value, and testing results. In addition, the application will be validated on-site.

MultiTek Standard Application Testing

Sulfur: D5453, Nitrogen D5176, D5762, D4629

- Sulfur ASTM D5453 Gasoline within 0 – 100 mg/kg S
- Sulfur ASTM D5453 Diesel within 0 – 20 mg/kg
- Nitrogen ASTM D5176 water within 0 - 1000 mg/kg
- Nitrogen ASTM D5762 Heavy Oil within 0 – 10,000 mg/kg
- Nitrogen ASTM D4629 Liquid Hydrocarbons within 0.3 – 100 mg/kg
- Sulfur ASTM D5453 Jet Fuel within $0 - 3000 \, \text{mg/kg}$
- Sulfur ASTM D5453 Biodiesel within 0 - 25 mg/kg

MultiTek Premium Application Testing

Sulfur: D6667, D7183, Nitrogen D6069, D7184, Halides D7359

- Sulfur ASTM D6667 LPG within 1 100 mg/kg in C3/C4
- Sulfur ASTM D7183 Aromatics within 0.5-100 mg/kg in toluene or xylene (PN Nitrogen LPG within 1-300 mg/kg in C3/ C4)
- Nitrogen in Polymers within 0-500 mg/kg
- Halides LPG within 1-300 mg/kg F/Cl in
- Halides ASTM D7359 Aromatics within 0.5-50 mg/kg F/Cl in toluene or xylene
- Trace Nitrogen ASTM D6069/D7184 Nitrogen within 0.1-2 mg/kg in toluene or xylene

MultiTek Custom Application Testing

Examples of customized elemental applications are:

- Nitrogen in Food
- Halides in Coal
- Fluoride in Alumnium Oxide Contact PAC for further information.



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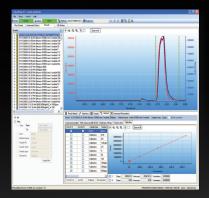
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Since 1967, Antek has been a global leader in lab and on-line elemental analysis instrumentation and custom chromatography instruments that detect sulfur and nitrogen/sulfur compounds. The Antek line also includes process analyzers for monitoring total nitrogen and sulfur in liquids, gases and LPGs and determination of nitrogen, sulfur, total hydrocarbon, and aromatics for the quality assurance for CO,

MULTITEK SOFTWARE

Saves time and simplifies testing, because one calibration curve is applicable to a wide range of samples for a single run. No more trial and error, i.e., trying to get the right calibration range for a specific sample, or trying different calibration curves for different ranges. MultiTek® streamlines and simplifies the entire process.

MultiTek 21 CFR part 11 Computer Bundle The MultiTek 21 CFR part 11 Computer Bundle includes the MultiTek 21 CFR part 11 edition software. This is for laboratories that are required to maintain 21 CFR part 11 compliance.



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- User IT-administrator must change password after logging in the first time
- Strong password criteria: => 7 characters, 1 upper case, 1 numeric and 1 special character required
- Enhanced User management including required electronic signatures and users assigned to specific instruments
- Account lockout after 3 successive failed login attempts
- Password change interval set by IT-administrator; password reset only by IT-
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