



## **Rigaku Analytical Devices Enhances Handheld Analyzer for Greater Threat Response**

*New 4C™ Technology in Progeny™ ResQ™ provides incident threat level warning for multiple hazards detected in combination*

(Wilmington, MA, June 16, 2016) Rigaku Analytical Devices, a leading pioneer of handheld and portable Raman spectroscopic analyzers, today announced a major enhancement of its [Progeny™ ResQ™](#) handheld chemical identification tool at the IAFC Hazmat Conference in Baltimore, Maryland. The new feature, dubbed 4C Technology, significantly increases the usefulness of a handheld analyzer used at incidents by indicating the overall threat level posed by the presence of multiple individual chemicals. Although these chemicals may not be a threat individually, their combined presence could indicate the preparation of hazardous or illicit compounds. Progeny ResQ 4C saves critical time by reducing the first responder's reliance on off-site expert advice.

By integrating Rigaku's new 4C Technology, Progeny ResQ is the first handheld Raman analyzer to automatically monitor individual chemical results against its own on-board advanced search algorithms. A visual, on-screen warning will alert the user when a combination of a potential illicit or hazardous threat is determined.

When using Progeny ResQ's new 4C mode, users can specify the warning window (measured in hours or number of scans) to detect and identify precursors, then indicate their potential threat combination. "With the use of 4C Technology, first responders can now assess an entire scene faster with the power to foresee a potential greater threat," said Bree Allen, president of Rigaku Analytical Devices. "This will expedite a more appropriate response." With Progeny ResQ's new 4C threat alert and its on-board camera, the ability to monitor, respond and document an incident utilizing a single handheld chemical identification device is now possible.

Rigaku's 4C functionality now comes standard on new Progeny ResQ units, plus it can be downloaded for free and easily uploaded to the unit by existing users.

With a unique 1064nm excitation laser, Progeny ResQ can overcome issues of sample-induced fluorescence interference that affects Raman systems using shorter excitation wavelengths such as 785 nm. Progeny ResQ includes an onboard comprehensive library with more than 12,000 common toxic industrial chemicals, toxic industrial materials, chemical warfare agents and explosives and is also capable of identifying illicit drugs and narcotics. Library updates, software upgrades and 24/7 reachback support are provided for the life of the unit and at no additional charge.

To find out more about Progeny ResQ, please visit [www.rigakuanalytical.com](http://www.rigakuanalytical.com) or to book a demonstration, please email [info@rigakuanalytical.com](mailto:info@rigakuanalytical.com).

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## **About Rigaku Analytical Devices**

Rigaku Analytical Devices is leading with innovation to pioneer a portfolio of handheld and portable spectroscopic analyzers for use in the protection of public health and safety, aid in the advancement of scientific and academic study, enable the recycle and reuse of metal alloys, and ensure quality of key metal alloy components in mission critical industries. Our core goal is to be recognized globally for quality, reliability and expertise in all aspects of our business through our commitment to exceed our customer's expectations by providing technologically advanced products. The foundation of our company is our talented team, dedicated to continual product development efforts which improve performance and functionality, resulting in reliable, cost-effective solutions for the end user. Our rugged products utilize integrated software that combines an open architecture platform with user defined settings, delivering unparalleled accuracy and extensive application support, empowering our customers to achieve rapid lab-quality results any time, any place.

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