

ResQ CQL 2.0

Offering an *ENHANCED* experience for
handheld 1064 nm Raman chemical analysis

The Rigaku ResQ CQL provides advanced analytical chemical identification using the advantage of 1064 nm Raman laser excitation to reduce fluorescence interference in a tactical form factor. With its latest release, the ResQ CQL 2.0 delivers an enhanced graphical user interface with a more streamlined workflow - making it even easier to use, coupled with improved analytical performance. With thousands of units deployed globally, first responders, border protection, law enforcement, and the military have chosen Rigaku's portfolio to identify chemical threats in high stress environments.

- Safely analyze explosives, chemical warfare agents (CWAs), precursors, hazardous chemicals, narcotics, and more
- Perform analysis more conveniently with a small, mobile and handheld device
- Identify bulk and trace levels of substances for both presumptive and confirmatory results
- Add pictorial evidence using on-board camera for traceability



Rigaku
Analytical Devices

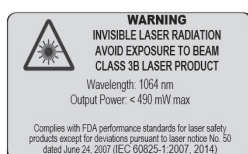
ResQ CQL 2.0 SPECIFICATIONS

Mode of Operation	<ul style="list-style-type: none"> • Handheld Raman device • Conveniently and safely analyze threats with ease of use in a hotzone • Includes measurement delay timer and scan timeout feature for additional safety
Excitation Wavelength	<ul style="list-style-type: none"> • 1064nm • Reduces fluorescence interference to measure a broader range of substances – including colored materials or through colored packaging
Laser Power	<ul style="list-style-type: none"> • Up to 490mW adjustable laser power • Allows for customization of analysis parameters
Graphical User Interface	<ul style="list-style-type: none"> • Touchscreen and softkeys • Smartphone-inspired with bright, touchscreen display or large button navigation for use when wearing protective gloves
On-board Digital Camera with LED	Record sample evidence and store images with analysis
File export	Transfer of scan results (PDF, txt, SPC, Reachback)
Standard Library	>12,000 compounds including CWA, explosives, precursors, TIC/TIM, narcotics
User-Created Library	Easily adaptable for new, emerging threats into a custom user library, export to share with other ResQ CQL users worldwide
Threat Recipe alerts with 4C™ Technology	Expands incident response by warning users of potential dangerous combinations
Data Transfer	Transfer results via WiFi or USB
QuickDetect™ Automated Colorimetrics (optional)	Add the ability to detect non-visible amounts of narcotics and/or explosives
Operating Temperature	-20 to +40°C continuous (+40-50°C intermittent)
Ruggedness	U.S. MIL-STD 810G, IP-68
Battery Power	Included: rechargeable 7.4 Li-Po, 3600 mAH Compatible: disposable CR123A (six) 3.0V, 1550mAh
Size	18.5cm L x 15cm W x 7.9cm H (7.28in L x 5.9in W x 3.11in H)
Weight	~1.7kg (3.7lbs)
Warranty	24 months (additional coverage is available at additional cost)

The ResQ CQL 2.0 is not ITAR-restricted, though a U.S. Department of Commerce export license may be required for some countries.



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