

ResQ CQL

Setting the *NEW* standard for handheld 1064nm Raman chemical analysis

The advancement of handheld 1064nm Raman continues with ResQ® CQL. Based on the combination of an award-winning platform and proven performance, the ResQ CQL offers first responders, border protection, and law enforcement with an advanced method for identifying potential threats – such as explosives, precursors, hazardous chemicals and narcotics. By integrating the 1064nm Raman advantage for the identification of unknown bulk compounds with a technique for detecting trace amounts of a potential deadly hazard, the ResQ CQL is the tool of choice for a safer response. The improved ergonomics provides users with the ability to access difficult sample types in the toughest environments with an easy-to-use analytical device. The unique features and capabilities of ResQ CQL include:

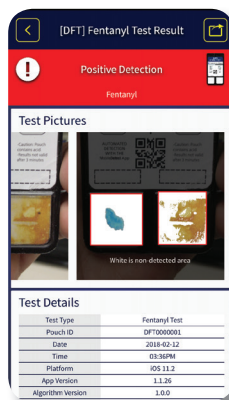
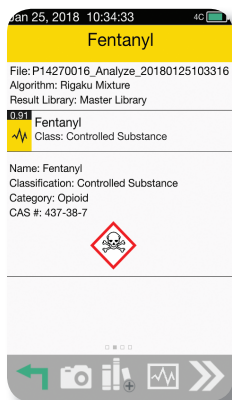
- Perform analysis more conveniently with a small, mobile and handheld device
- Identify bulk and trace levels of substances for both presumptive and confirmatory results
- Add pictorial evidence using on-board camera for traceability
- Create tamper-proof reports for data security



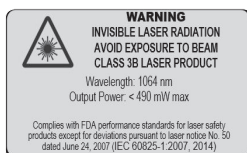
Rigaku
Analytical Devices

ResQ CQL SPECIFICATIONS		
Mode of Operation	Handheld, or hands-free with test stand	- Conveniently and safely analyze threats with ease of use in a hotzone - Includes measurement delay timer (up to 10 minutes) for additional safety - Remote operation by PC or tablet using WiFi or USB
Excitation Wavelength	1064 +/- 1nm (0.3nm line width, stability < 0.1cm ⁻¹)	Reduces fluorescence interference to measure a broader range of substances – including colored materials or through colored packaging
Output Power	Up to 490mW adjustable laser excitation power	Allows for customization of analysis parameters to obtain most accurate analysis of your specific materials
Graphical User Interface	Touchscreen and softkeys	Smartphone-inspired with bright, touchscreen display or large button navigation for use when wearing protective gloves
On-board Digital Camera	Included with LED	Record sample evidence and store with analysis
On-board Reporting	Included	Immediate PDF generation and transfer of results with camera images
Standard Library	Included	Up to 13,000 compounds including CWA, explosives, precursors TIC/TIM, narcotic
User-Created Library	Included	Easily adaptable for new, emerging threats into a custom library, export to share with other ResQ CQL users worldwide
Threat Recipe alerts with 4C™ Technology	Automatic	Expands incident response by warning users of potential dangerous combinations
Data Transfer	Included	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 50°C intermittent, +40°C continuous	
Certification	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)	Allows for single-hand operation
Weight	~1.4kg (3.25lbs)	
Warranty	24 months	
Industry Regulation Compliance	- SWGDRUG Category A technique for presumptive testing - SWGDRUG Category C technique for confirmatory testing (<i>with addition of QuickDetect</i>) - FDA 21 Part 11 compliance	

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



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