

CQL Max-ID

Offering an enhanced experience for maximum chemical threat analysis - in the palm of your hand.



The Rigaku CQL Max-ID™

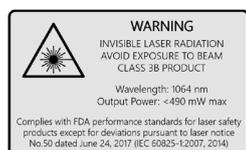
Provides advanced chemical analysis using the advantage of 1064 nm Raman laser excitation to reduce fluorescence interference in a tactical form factor. Providing a more streamlined workflow and enhanced algorithm, the CQL Max-ID is the tool of choice among safety and security agencies worldwide for identifying narcotics, explosives, chemical warfare agents, household chemicals, and more. With thousands of units in use in high stress environments by first responders, border protection, law enforcement, and the military, the CQL Max-ID provides more convenient and complete on-site chemical analysis.

Key features:

- Compatible with Rigaku's CommandSuite™ Fleet Management software
- Three scan modes
- Automatic mixture analysis of up to 5 components
- Identify bulk and trace levels of substances (with optional QuickDetect™)
- Add pictorial evidence using on-board camera for traceability
- Adjustable nose cone allows for scanning through different thickness and types of packaging



CQL Max-ID specifications	
Size	18.5 cm x 15 cm x 7.9 cm (7.28 in x 5.9 in x 3.11 in)
Weight	1.7 kg (3.7 lbs)
Laser Wavelength/Max Power	1064 nm / 490mW
Spectral Resolution	~6-13 cm ⁻¹
Spectral Range	200-2500 cm ⁻¹
Spectrometer Type	Transmissive Volume Phase Grating
Detector	TE Cooled InGaAs - 512 pixel
Operating Temperature	-20°C to 50°C Intermittent, +40°C Continuous
Battery Type	Default: 7.2 V Li-ion, 3400mAh, >5 hours / Optional: CR123a (qty: 6)
Adjustable Laser Power (Auto Mode)	50-475mW (10, 20, 30, 40, 50, 60, 70, 80, 90, 100%)
Auto Collection Mode	•
Adjustable Laser Power (Manual Mode)	25-475mW in 5 mW increments
Adjustable Exposure Time (Manual Mode)	200-7000 ms
Scan Modes	Identification, ThreatAlert™, ChemGuard™
Spectral Library Size	13,250+ items
Included Libraries	Biomolecule, Cutting Agent, CWA, CWA Precursor, Explosive, Explosives Precursor, General Chemical, General Precursor, Household Chemical, Industrial Chemical 1-4, Narcotic, Narcotic Precursor, Pesticide, Pharmaceutical, Polymer, Solvent, Steroid, TIC/TIM
Laser Safety Features	Laser Passcode, Scan Delay Timer, and Scan Timeout
Environmental Ruggedness	IP-68 & MIL810G
Connectivity to Desktop or Mobile Device	Waterproof USB-Type C / Wi-Fi / Peer-to-Peer
CommandSuite Fleet Management	Included on units #1 - #2. Available for purchase for greater quantities.
QuickDetect™ Trace Colorimetric Detection	Optional (Narcotics & Explosives)
4C Precursor Monitoring	•
Touchscreen	•
Adjustable Nose Cone (0mm -5.5mm)	•
User Login Privileges	•
Ability to Add Materials to User Library	• (Up to 8 user library categories)
Create Custom Applications	•
On-board 5MP camera with LED flash	•
Self Test Reference Standard (default)	• (Polystyrene) (Optional to scan: Acetaminophen & Cyclohexane)
Data Output Formats	.spc, .rrb, .pdf, .txt
Manufacturer Warranty	36 months
24/7/365 Reachback Support	Included under active support
Software and Library Updates	Included under active support



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