

Pendar X10

Short Range/Stand-off Handheld Raman Spectroscopy



PENDAR
TECHNOLOGIES



FEATURES

- Standoff Up to 6 Feet Away
- Results Within Seconds
- Identify Dark and Highly Fluorescent Materials
- Safe with Dark, Sensitive Materials
- No Eye Protection Required

Extend Your Reach

- Handheld, short-range (up to 6 feet/2 meter) standoff point-and-shoot measurement.
- Reach deep into a barrel through an opening, with no sampling required.

Extend Your Safety

- Class 3R laser; no laser safety eye protection or special training required.
- Minimal ignition risk with black powder and sensitive primaries.

Extend Your Speed

- Dark or highly fluorescent materials identified in <30 seconds, white powders in 5 to 10 seconds.
- Rapid analysis using advanced algorithms and powerful embedded processor.

*No contact, no sampling, no handling of sensitive or toxic materials.
Point and shoot to identify a material up to 6 ft away
through translucent containers or windows.*



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SPECIFICATIONS

Technique	Difference Raman Spectroscopy
Standoff Distance	Adjustable 1 to 6 feet (0.3 to 2 meters)
Instrument Portability	Handheld: 11.1" x 7.4" x 5.1" Weight: 4.4 lbs
Library	Explosives, illicit drugs, CWAs, toxic industrial chemicals
Analysis Time (and Return to Readiness)	Less than 10 seconds for most samples, generally less than 30 seconds for fluorescent or highly absorptive samples
Method of Sampling	In situ (optical measurement through clear containers or enclosures)
Amount of Sample Required	Visible quantity
Eye Safety	Class 3R
Explosion Safety	Does not ignite or burn dark material (e.g. black powder, iron oxide, etc..)
Connectivity	USB, WiFi
Operating environment	Indoors and Outdoors, -4° to 104°F / -20° to 40°C
Power	Four (4) rechargeable RCR123A batteries More than 2 hours operation
Mounting Options	1/4"-20 tapped hole for tripod, UGV Kit Available For Remote Chemical Identification



A single press of the trigger delivers results within seconds

Rapidly expanding library includes:

- Military explosives, HMEs and explosive precursors.
- Synthetic opioids, fentanyl and analogs, NPS.
- Chemical warfare agents, hazardous materials

