



**PENDAR**  
TECHNOLOGIES



**Standoff Up to 6 Feet Away**



**Results Within Seconds**



**Identify Dark and Highly  
Fluorescent Materials**



**Safe with Dark, Sensitive  
Materials**



**No Eye Protection Required**

# Pendar X10

Breakthrough, short-range standoff Raman chemical ID for EOD, HAZMAT, Drug Enforcement, Forensics, and more.

## 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.



# Specifications

<b>Technique</b>	Difference Raman Spectroscopy
<b>Standoff Distance</b>	Adjustable 1 to 6 feet (0.3 to 2 meters)
<b>Instrument Portability</b>	Handheld: 11.1" x 7.4" x 5.1" Weight: 4.4 lbs
<b>Library</b>	Explosives, illicit drugs, CWAs, toxic industrial chemicals
<b>Analysis Time (and Return to Readiness)</b>	Less than 10 seconds for most samples, generally less than 30 seconds for fluorescent or highly absorptive samples
<b>Method of Sampling</b>	In situ (optical measurement through clear containers or enclosures)
<b>Amount of Sample Required</b>	Visible quantity
<b>Eye Safety</b>	Class 3R
<b>Explosion Safety</b>	Does not ignite or burn dark material (e.g. black powder, iron oxide, etc..)
<b>Connectivity</b>	USB, WiFi
<b>Operating environment</b>	Indoors and Outdoors, -4° to 104°F / -20° to 40°C
<b>Power</b>	Four (4) rechargeable RCR123A batteries More than 2 hours operation
<b>Mounting Options</b>	¼"-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

