



**New** Now Available For Purchase

# Pendar X10

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

At a standoff distance of up to 3 feet, Pendar X10 enables rapid identification of hazardous chemicals including highly fluorescent, dark, and sensitive materials. By increasing measurement distance and strongly reducing the risks of laser-induced explosion and eye damage, Pendar X10 offers new levels of safety, accuracy, and speed in the field.



**Chemical  
Identification**



**Absorbing &  
Fluorescent**



**Standoff  
Detection**



**Rugged  
Durability**

## Extend Your Reach

- Handheld, short-range (up to 3 feet/1 meter) standoff point-and-shoot measurement.
- Readings taken through thick, translucent containers.
- Measure through closed plastic bags, chemical hoods, even closed windows.

## Extend Your Safety

- Class 3R laser; no laser safety eye protection or special training required.
- Minimal ignition risk with black powder and sensitive primaries.
- Through barrier analysis prevents handling of sensitive materials.

## Extend Your Speed

- Rapidly identify highly fluorescent materials with little or no preparation.
- Expandable Raman library includes Explosives, TICs, Narcotics, and CWAs.
- Dark or highly fluorescent materials identified in <30 seconds, white powders in 5 to 10 seconds.



A single press of the trigger delivers results within seconds

Pendar X10 defaults to a measurement ready state at boot-up. Only one hand is needed to depress the trigger to start analysis, with results delivered in seconds through the streamlined interface. From any screen, the next measurement is only a trigger-press away.

## Specifications

<b>Standoff Distance</b>	Adjustable 1 to 3 feet
<b>Instrument Portability</b>	Handheld: 11.5" x 10.5" x 5.5" Weight: 6 lbs
<b>Library</b>	Explosives, explosive precursors, narcotics, and toxic chemicals
<b>Analysis Time (and Return to Readiness)</b>	< 10 seconds for most samples, generally <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)
<b>Power Requirements</b>	Battery powered (>2 hrs continuous measurement)
<b>Environmental Bounds</b>	Indoors and Outdoors, -20C to 40C
<b>Mounting Options</b>	¼"-20 tapped hole for tripod Quick-Disconnect sling mount



**Pendar's mission is to create intelligent chemistry systems. We fuse innovative hardware with machine learning algorithms guided by expert knowledge of molecular spectroscopy.** Our team previously brought handheld spectroscopy to the field, founded two successful venture-backed companies, and pioneered Quantum Cascade Lasers (QCLs). We are a vertically integrated company of scientists, engineers, and innovators building our own software, spectroscopy platforms, and laser systems from the ground-up. Our solutions enable users to focus on their primary objectives: discovering and scaling-up new chemistries, responding to emergencies, and saving lives.