



# Ocean HDX Raman Series Spectrometers

Select Model

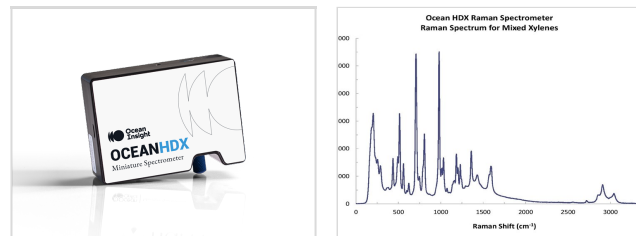
Delivery Country

United States

Lead Time: 2 weeks

From \$7,899.00

Online prices exclude taxes, logistics and customs and trade tariffs. All offline purchases require a quotation.



## Details

The **Ocean** HDX Raman spectrometer is a compact, high-performance spectrometer for 785 nm Raman excitation applications. This small-footprint

## Overview

- **Great value and accessibility** – high-performance 785 nm Raman for affordable, nondestructive measurements

Ocean HDX Raman Series Spectrometers



probe and sample holder to measure solids, powders and liquids. Applications range from authentication of spirits and analysis of cannabinoids, to identification of polymers and characterization of pharmaceutical ingredients.

Less expensive than traditional scientific-grade Raman instruments yet sacrificing very little in performance, Ocean HDX Raman is within reach to a wider range of users, including university teaching and research labs, budget-limited start-ups, and anyone that appreciates great value. In addition, Ocean HDX Raman is attractive for integration into other products, offering the advantages of small size and light weight, plus thermal stability, and Ethernet connectivity.

- **Compact footprint** – small size and light weight are ideal for use in the lab or integration into other products
- **Raman shift** – from  $150\text{ cm}^{-1}$  to  $3400\text{ cm}^{-1}$
- **Preconfigured options** – versions available with  $25\text{ }\mu\text{m}$  or  $50\text{ }\mu\text{m}$  entrance slit
- **Communication** – options include USB 2.0, Gigabit Ethernet, RS-232
- **Compatibility** – add 785 nm laser, Raman probe and sample holder to complete your Raman system

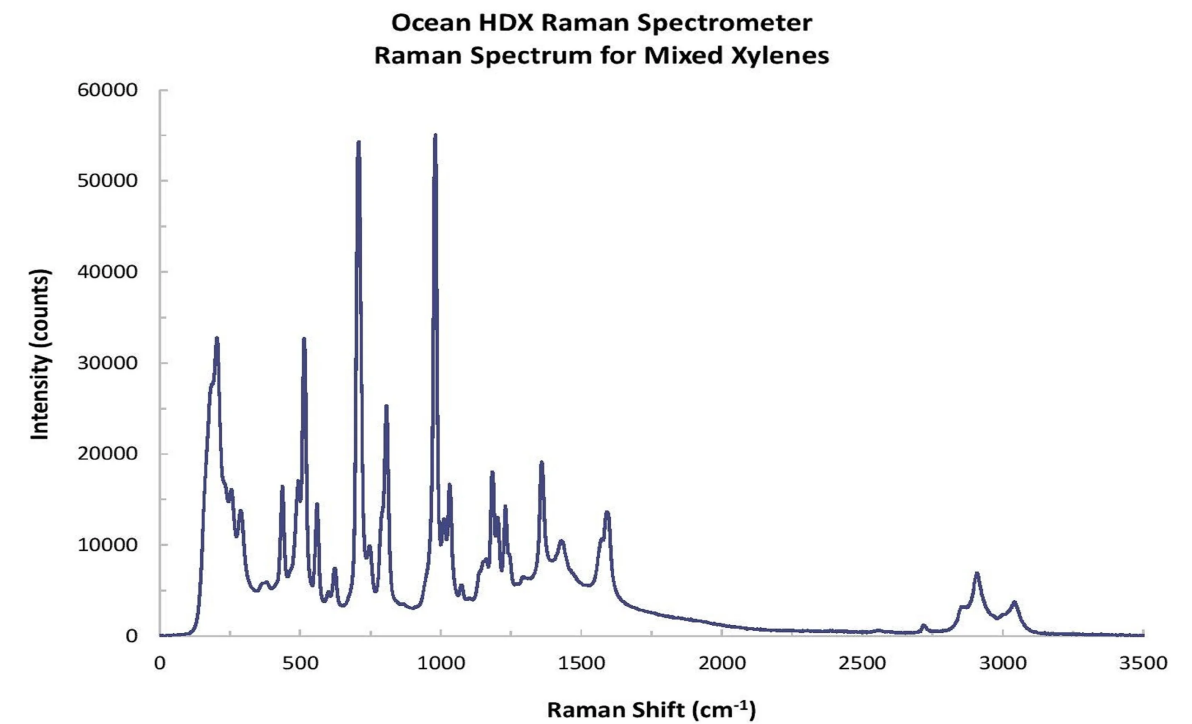
### Product Overview - Ocean HDX Raman Spectrometer

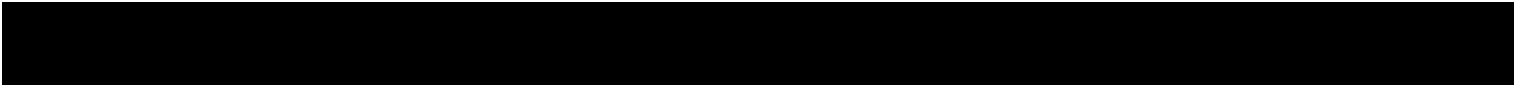


Ocean HDX Raman Spectrometer

Ocean HDX Raman Series Spectrometers

### Sample Spectra





# Specifications

Select model to see full specifications

Select model

## Detector:

Entrance slit: 25  $\mu$ m  
50  $\mu$ m

## Electronics:

A/D Resolution: 16 bit

Connectors: USB  
Gigabit Ethernet  
RS-232

## Environmental:

## Physical:

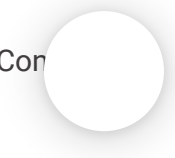
Dimensions: 88.9 mm x 63.5 mm x 52.4 mm

Weight: 400 g

## Spectroscopy:

Integration Time: 6ms - 10s

Ocean HDX Raman Series Spectrometers



Raman Shift:

150cm<sup>(-1)</sup> - 3400cm<sup>(-1)</sup>

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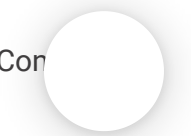
## Related Products



[QE Pro Raman Series Spectrometers >](#)

Options available

[Ocean HDX Raman Series Spectrometers](#)



# Accessories



## 785 nm Raman Lasers >

Options available

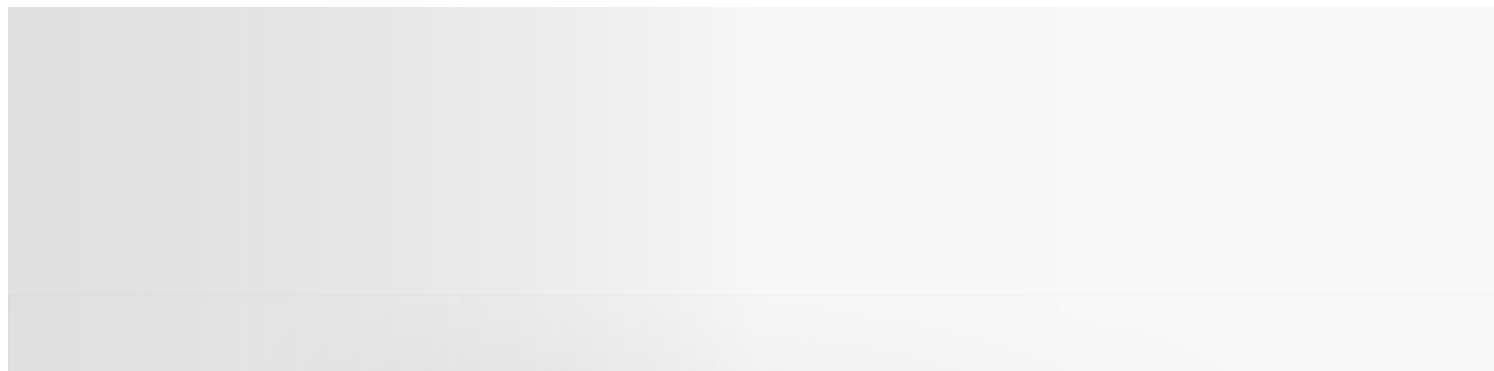
From \$7,766.00



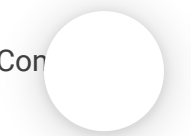
## SERS Substrates >

Options available

From \$68.00



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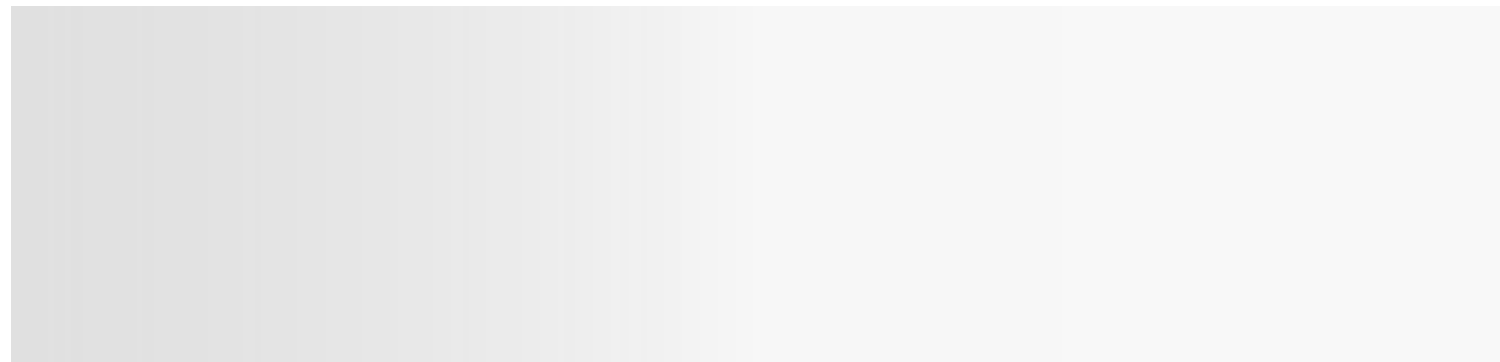
### General Purpose Raman Probes >

Options available

From \$3,388.00

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## Measurement techniques





Raman Measurement >

# Industries

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Con



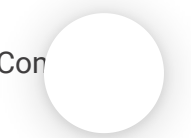


Energy, Oil & Gas >

Food & Agriculture >



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Medical & Life Sciences >


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# Downloads

## APPLICATION NOTE


 [Gemstone Analysis and Authentication](#)

 [Identifying Illicit Drugs using Surface Enhanced Raman Spectroscopy](#)

 [Pesticide Detection using SERS Techniques](#)

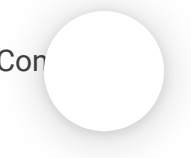
 [Trace Level Detection of Pesticides on Apple Skin](#)

## PRODUCT SHEET

 [Ocean HDX Raman\\_Product Sheet](#)

## QUICK START GUIDE

Ocean HDX Raman Series Spectrometers



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