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Find the *Newport 910PH-10* at our website: *Click HERE*



Mounted High-Energy Pinhole Aperture, 10 ±1 µm, Model 910A

MODEL: 910PH-10

$133 **1 Week**

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Overview
Technical Specs

Description

The 910PH-10 High Energy Pinhole Aperture is fabricated from ultra-thin molybdenum, a refractory alloy with high heat conductivity and melting point. This material exhibits almost no warping due to localized heating by the laser. A smooth 10 ± 1 µm diameter hole with extremely low ellipticity is produced using laser drilling techniques. These pinholes have a laser damage threshold of 75 MW/cm2 CW and are suitable for pulsed laser use up to 700 mJ/cm2. Each pinhole comes mounted into a black anodized aluminum body which is threaded (0.875-20) to be used with either the 910 Five-axis Spatial Filter or one of the LP-05A Multi-axis Lens Mounts.



(/f/high-energy-pinhole-apertures)

Product Series Overview

High Energy Pinhole Apertures (/f/high-energy-pinhole-apertures)

Technical Specs

Type	High Energy Pinhole	**Diameter Tolerance**	±0.125 mm
Mounting	Model 910A Spatial Filter	**Damage Threshold**	75 MW/cm^2 CW, 700 mJ/cm^2 with 10 nsec pulses, typical
Aperture Diameter	10 ± 1 µm	**Numerical Aperture**	10 ±1
Material	Molybdenum	**Thickness**	15.24 µm
Diameter	9.525 mm		

Related Products

Accessories

Compare	Description	Drawings, CAD & Specs	Avail.	Price
 (/p/LAB-29)	**LAB-29 (/p/LAB-29)** Absorbond® Cleanroom Cleaning Wipes, Class 1000, 1200 Quantity		**In Stock**	**$100**
 (/p/LAB-18)	**LAB-18 (/p/LAB-18)** Precision Tweezers, Stainless Steel		**In Stock**	**$32**
 (/p/LAB-06)	**LAB-06 (/p/LAB-06)** Gloves, Large, 100 Quantity		**In Stock**	**$40**
 (/p/LAB-14)	**LAB-14 (/p/LAB-14)** Solvent Dropper Bottle, 2 oz. (60ml)		**In Stock**	**$15.50**
 (/p/LAB-16)	**LAB-16 (/p/LAB-16)** Ultra Jet Canned Air Duster, 10 oz. (300ml)		**3 Weeks**	**$14.50**

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Others

Compare	Description	Drawings, CAD & Specs	Avail.	Price
(/p/U-27X)	**U-27X (/p/U-27X)** UV Objective Lens, 27x, 0.13 NA, 5.77 Focal Length, 245-440nm		In Stock	$2,319
(/p/M-10X)	**M-10X (/p/M-10X)** Microscope Objective Lens,10x, 0.25 NA, 16.5 mm Focal Length		In Stock	$134

Similar

Compare	Description	Drawings, CAD & Specs	Avail.	Price
(/p/PH-50)	**PH-50 (/p/PH-50)** High-Energy Pinhole Aperture, 50 ±5 µm, Unmounted		In Stock	$82
(/p/PH-10)	**PH-10 (/p/PH-10)** High-Energy Pinhole Aperture, 10 ±1 µm, Unmounted		In Stock	$98
(/p/PH-SET)	**PH-SET (/p/PH-SET)** Pinhole Set, Unmounted		In Stock	$421
(/p/900PH-SET)	**900PH-SET (/p/900PH-SET)** Pinhole Set, Mounted For Use With 900 Spatial Filter		In Stock	$732
(/p/900PH-10)	**900PH-10 (/p/900PH-10)** Mounted High-Energy Pinhole Aperture, 10 ±1 µm, Model 900		In Stock	$155

Compatible

Compare	Description	Drawings, CAD & Specs	Avail.	Price
(/p/910A)	**910A (/p/910A)** Compact Five-Axis Spatial Filter, XY θxθy 100TPI, Z 80TPI		In Stock	$764
(/p/900P-MNT)	**900P-MNT (/p/900P-MNT)** Extra Pinhole Mount, Doe Not Include Pinhole		In Stock	$87
(/p/M-900)	**M-900 (/p/M-900)** Three-Axis Spatial Filter, Metric		In Stock	$946
(/p/900)	**900 (/p/900)** Spatial Filter, Three-Axis		In Stock	$964

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