

Mini-Series Breadboard

Our miniature breadboard features #4-40 (M3 x 0.5) tapped holes on 1/2" (12.5 mm) centers. These solid-aluminum breadboards are complimented by a full range of optomechanical hardware and accessories. These mounting components can be found on pages 71-82.

#4-40 (M3 x 0.5)
Tapped Holes on 1/2"
(12.5 mm) Centers



MS12B
12" x 12" x 3/8" Breadboard
300 x 300 x 9.5 mm

The HW-KIT5(M) provides over 1,000 assorted #4-40 (M3 x 0.5) 1/4" long setscrews and 1/4", 3/16", 5/16", and 3/8" long socket screws for use with our mini-series optical mounts.



HW-KIT5
Mini-Series
Hardware Kit

Mini-Breadboard and Hardware Kit

ITEM#	METRIC ITEM#	\$	£	€	RMB	DESCRIPTION
MS12B	MS12B/M	\$ 257.00	£ 178.20	€ 228.20	¥ 2,170.20	12" x 12" High-Density Mini-Breadboard
HW-KIT5	HW-KIT5/M	\$ 92.20	£ 64.00	€ 81.90	¥ 778.60	Hardware Kit for Mini-Series

UltraLight™ Series of Optical Breadboards

All Aluminum Construction

Specifications

- **Mounting Hole Spacing:**
 - Imperial: 1/4"-20 on 1" Centers
 - Metric: M6 x 1.0 on 25 mm Centers
- **Flatness:** ±0.006" (±0.15 mm) Over any 1 ft² (0.30 m²) Area
- **Construction:** Double-Plate, Single Honeycomb-Core, Athermalized Design
- **Outer Plates:** Top 1/4" (6 mm) Thick, Bottom 1/8" (3 mm) Thick
- **Edge of Top Plate to First Hole:**
 - Imperial: 1"
 - Metric: 25 mm
- **Maximum Screw Depth:** 5/8" (16 mm) from Breadboard Surface



Nonmagnetic UltraLight™ optical breadboards, which offer a high strength-to-weight ratio and excellent thermal stability, are ideal for optical setups where portability and dynamic rigidity are important. They are typically used as lightweight alternatives to steel breadboards as well as for applications demanding a totally nonmagnetic structure.

Imperial UltraLight™ Breadboards, 1" Thick

Stocked for Immediate Shipment

ITEM#	\$	£	€	RMB	DIMENSIONS	WEIGHT*
PBG11101	\$ 586.50	£ 406.60	€ 520.70	¥ 4,952.50	1' x 1' x 1"	7 lbs/3 kg
PBG11102	\$ 651.10	£ 451.40	€ 578.10	¥ 5,498.00	2' x 1' x 1"	11 lbs/5 kg
PBG11118	\$ 722.50	£ 500.90	€ 641.50	¥ 6,100.90	2' x 1.5' x 1"	17 lbs/7.7 kg
PBG11105	\$ 793.90	£ 550.40	€ 704.90	¥ 6,703.80	2' x 2' x 1"	20 lbs/9 kg
PBG11103	\$ 717.40	£ 497.40	€ 637.00	¥ 6,057.80	3' x 1' x 1"	20 lbs/9 kg
PBG11106	\$ 904.40	£ 627.00	€ 803.00	¥ 7,636.80	3' x 2' x 1"	29 lbs/13 kg
PBG11110	\$ 1,011.50	£ 701.20	€ 898.10	¥ 8,541.20	3' x 2.5' x 1"	35 lbs/16 kg
PBG11112	\$ 1,101.60	£ 763.70	€ 978.10	¥ 9,302.00	3' x 3' x 1"	42 lbs/19 kg
PBG11107	\$ 1,020.00	£ 707.10	€ 905.60	¥ 8,613.00	4' x 2' x 1"	45 lbs/20.5 kg
PBG11111	\$ 1,152.60	£ 799.10	€ 1,023.30	¥ 9,732.60	4' x 2.5' x 1"	55 lbs/25 kg
PBG11113	\$ 1,264.80	£ 876.80	€ 1,122.90	¥ 10,680.00	4' x 3' x 1"	68 lbs/31 kg
PBG11114	\$ 1,458.60	£ 1,011.00	€ 1,295.00	¥ 12,317.00	5' x 3' x 1"	66 lbs/30 kg

*The weights given are for the breadboards alone and do not include packaging.

Imperial UltraLight™ Breadboards, 2.2" Thick

Stocked for Immediate Shipment

ITEM#	\$	£	€	RMB	DIMENSIONS	WEIGHT*
PBG12102	\$ 678.30	£ 470.30	€ 602.20	¥ 5,727.60	2' x 1' x 2.2"	13 lbs/6 kg
PBG12118	\$ 753.20	£ 522.20	€ 668.70	¥ 6,360.10	2' x 1.5' x 2.2"	26 lbs/12 kg
PBG12105	\$ 824.50	£ 571.60	€ 732.00	¥ 6,962.10	2' x 2' x 2.2"	27 lbs/12 kg
PBG12106	\$ 936.70	£ 649.40	€ 831.70	¥ 7,909.60	3' x 2' x 2.2"	35 lbs/16 kg
PBG12110	\$ 1,042.10	£ 722.50	€ 925.20	¥ 8,799.60	3' x 2.5' x 2.2"	44 lbs/20 kg
PBG12111	\$ 1,183.20	£ 820.30	€ 1,050.50	¥ 9,991.00	4' x 2.5' x 2.2"	60 lbs/27 kg
PBG12113	\$ 1,297.10	£ 899.20	€ 1,151.60	¥ 10,953.00	4' x 3' x 2.2"	71 lbs/32 kg
PBG12114	\$ 1,458.60	£ 1,011.00	€ 1,295.00	¥ 12,317.00	5' x 3' x 2.2"	86 lbs/39 kg

*The weights given are for the breadboards alone and do not include packaging.

UltraLight™ Series of Optical Breadboards – Metric

Imperial UltraLight™ Breadboards, 2.2" Thick

Call for Lead Time

ITEM#	\$	£	€	RMB	DIMENSIONS	WEIGHT*
PBG12109	\$ 974.10	£ 675.30	€ 864.90	¥ 8,225.40	2.5' x 2.5' x 2.2"	38 lbs/17 kg
PBG12103	\$ 748.00	£ 518.60	€ 664.10	¥ 6,316.20	3' x 1' x 2.2"	18 lbs/8 kg
PBG12112	\$ 1,130.50	£ 783.70	€ 1,003.70	¥ 9,546.00	3' x 3' x 2.2"	57 lbs/26 kg
PBG12108	\$ 1,164.50	£ 807.30	€ 1,033.90	¥ 9,833.10	5' x 2' x 2.2"	57 lbs/26 kg
PBG12116	\$ 2,024.80	£ 1,403.50	€ 1,797.50	¥ 17,098.00	5' x 4' x 2.2"	121 lbs/55 kg

*The weights given are for the breadboards alone and do not include packaging.

Metric UltraLight™ Breadboards, 25 mm Thick

Stocked for Immediate Shipment

ITEM#	\$	£	€	RMB	DIMENSIONS	WEIGHT*
PBG51501	\$ 586.50	£ 406.60	€ 520.70	¥ 4,952.50	300 x 300 x 25 mm	7 lbs/3 kg
PBG51502	\$ 651.10	£ 451.40	€ 578.10	¥ 5,498.00	600 x 300 x 25 mm	11 lbs/5 kg
PBG51522	\$ 722.50	£ 500.90	€ 641.50	¥ 6,100.90	600 x 450 x 25 mm	18 lbs/8 kg
PBG51505	\$ 793.90	£ 550.40	€ 704.90	¥ 6,703.80	600 x 600 x 25 mm	23 lbs/10.5 kg
PBG51503	\$ 717.40	£ 497.40	€ 637.00	¥ 6,057.80	900 x 300 x 25 mm	31 lbs/14 kg
PBG51506	\$ 904.40	£ 627.00	€ 803.00	¥ 7,636.80	900 x 600 x 25 mm	33 lbs/15 kg
PBG51510	\$ 1,011.50	£ 701.20	€ 898.10	¥ 8,541.20	900 x 750 x 25 mm	40 lbs/18 kg
PBG51512	\$ 1,101.60	£ 763.70	€ 978.10	¥ 9,302.00	900 x 900 x 25 mm	51 lbs/23 kg
PBG51507	\$ 1,020.00	£ 707.10	€ 905.60	¥ 8,613.00	1200 x 600 x 25 mm	37 lbs/17 kg
PBG51511	\$ 1,152.60	£ 799.10	€ 1,023.30	¥ 9,732.60	1200 x 750 x 25 mm	57 lbs/26 kg
PBG51513	\$ 1,264.80	£ 876.80	€ 1,122.90	¥ 10,680.00	1200 x 900 x 25 mm	66 lbs/30 kg
PBG51514	\$ 1,458.60	£ 1,011.00	€ 1,295.00	¥ 12,317.00	1500 x 900 x 25 mm	88 lbs/40 kg

*The weights given are for the breadboards alone and do not include packaging.

Stocked for Immediate Shipment

ITEM#	\$	£	€	RMB	DIMENSIONS	WEIGHT*
PBG52502	\$ 678.30	£ 470.30	€ 602.20	¥ 5,727.60	600 x 300 x 55 mm	13 lbs/6 kg
PBG52522	\$ 753.10	£ 522.10	€ 668.70	¥ 6,359.20	600 x 450 x 55 mm	18 lbs/8.2 kg
PBG52505	\$ 824.50	£ 571.60	€ 732.00	¥ 6,962.10	600 x 600 x 55 mm	24 lbs/11 kg
PBG52506	\$ 936.70	£ 649.40	€ 831.70	¥ 7,909.60	900 x 600 x 55 mm	35 lbs/16 kg
PBG52510	\$ 1,042.10	£ 722.50	€ 925.20	¥ 8,799.60	900 x 750 x 55 mm	44 lbs/20 kg
PBG52511	\$ 1,183.20	£ 820.30	€ 1,050.50	¥ 9,991.00	1200 x 750 x 55 mm	55 lbs/25 kg
PBG52513	\$ 1,297.10	£ 899.20	€ 1,151.60	¥ 10,953.00	1200 x 900 x 55 mm	57 lbs/27 kg
PBG52514	\$ 1,458.60	£ 1,011.00	€ 1,295.00	¥ 12,317.00	1500 x 900 x 55 mm	66 lbs/30 kg

*The weights given are for the breadboards alone and do not include packaging.

Metric UltraLight™ Breadboards, 55 mm Thick

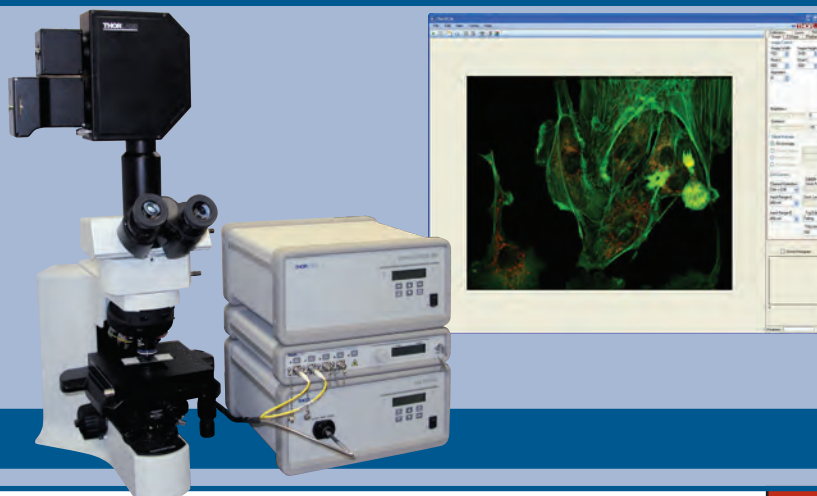
Call for Lead Time

ITEM#	\$	£	€	RMB	DIMENSIONS	WEIGHT*
PBG52509	\$ 974.10	£ 675.30	€ 864.90	¥ 8,225.40	750 x 750 x 55 mm	35 lbs/16 kg
PBG52503	\$ 748.00	£ 518.60	€ 664.10	¥ 6,316.20	900 x 300 x 55 mm	18 lbs/8 kg
PBG52512	\$ 1,130.50	£ 783.70	€ 1,003.70	¥ 9,546.00	900 x 900 x 55 mm	53 lbs/24 kg
PBG52508	\$ 1,164.50	£ 807.30	€ 1,033.90	¥ 9,833.10	1500 x 600 x 55 mm	60 lbs/27 kg
PBG52521	\$ 2,024.70	£ 1,403.50	€ 1,797.50	¥ 17,097.00	1800 x 1250 x 55 mm	145 lbs/66 kg

*The weights given are for the breadboards alone and do not include packaging.

Laser Scanning Microscopy and Accessories

Our new Video-Rate Confocal Imaging System is a compact, modular design that provides a high degree of configuration flexibility. Various add-on detection and source options, including our new four-channel fiber-coupled laser source, are available. Z-axis scanning is possible using the optional, software-controlled, voice coil-driven Z translation stage. Other optional accessories include a beam combiner and pinhole selector. Together, these components allow you to create a truly customized solution for your confocal laser scanning needs.



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