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Water-Cooled Breadboard

NEW
product



MBC12

- Working Pressure: Rated up to 80 psi
- Working Temperature Range: 0 to 60 °C
- Size: 12" x 12" (300 mm x 300 mm)
- 16' (5 m) of Tubing Included
- Push-to-Fit Tubing Connectors

These breadboards with internal channels for cooling/heating fluid feature a standard 1.0" or 25 mm hole pattern and are ideal for applications involving sensors, detectors, lasers, LEDs, or other devices that may require temperature stabilization. The boards can be used for cooling or heating, depending on requirements. Our water-cooled breadboards are fitted with 1/4" or 6 mm I.D. fittings for imperial and metric boards, respectively. These allow for easy connection to a water supply or chiller unit.

Water-Cooled Breadboard

ITEM #	METRIC ITEM #	\$	£	€	RMB	DESCRIPTION
MBC12	MBC3030/M	\$ 399.00	£ 287.28	€ 347,13	¥ 3,180.03	Water-Cooled Breadboard

UltraLight™ Series of Optical Breadboards (Page 1 of 2)

Specifications

- **Mounting Hole Spacing**
 - Imperial: 1/4"-20 on 1" Centers
 - Metric: M6 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

All Aluminum
Construction



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. The options listed here are stocked for immediate shipment. Please visit our website (www.thorlabs.com) to view other size options.

Imperial UltraLight™ Breadboards, 1" Thick

ITEM #	\$	£	€	RMB	DIMENSIONS	WEIGHT*
PBG11102	\$ 511.90	£ 368.57	€ 445,35	¥ 4,079.84	2' x 1' x 1"	11 lbs/5 kg
PBG11118	\$ 618.70	£ 445.46	€ 538,27	¥ 4,931.04	2' x 1.5' x 1"	17 lbs/7.7 kg
PBG11105	\$ 725.60	£ 522.43	€ 631,27	¥ 5,783.03	2' x 2' x 1"	20 lbs/9 kg
PBG11103	\$ 617.60	£ 444.67	€ 537,31	¥ 4,922.27	3' x 1' x 1"	20 lbs/9 kg
PBG11106	\$ 936.20	£ 674.06	€ 814,49	¥ 7,461.51	3' x 2' x 1"	29 lbs/13 kg
PBG11110	\$ 1,095.60	£ 788.83	€ 953,17	¥ 8,731.93	3' x 2.5' x 1"	35 lbs/16 kg
PBG11112	\$ 1,255.60	£ 904.03	€ 1,092,37	¥ 10,007.13	3' x 3' x 1"	42 lbs/19 kg
PBG11107	\$ 1,146.40	£ 825.41	€ 997,37	¥ 9,136.81	4' x 2' x 1"	45 lbs/20.5 kg
PBG11111	\$ 1,357.50	£ 977.40	€ 1,181,03	¥ 10,819.28	4' x 2.5' x 1"	55 lbs/25 kg
PBG11113	\$ 1,569.70	£ 1,130.18	€ 1,365,64	¥ 12,510.51	4' x 3' x 1"	68 lbs/31 kg

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