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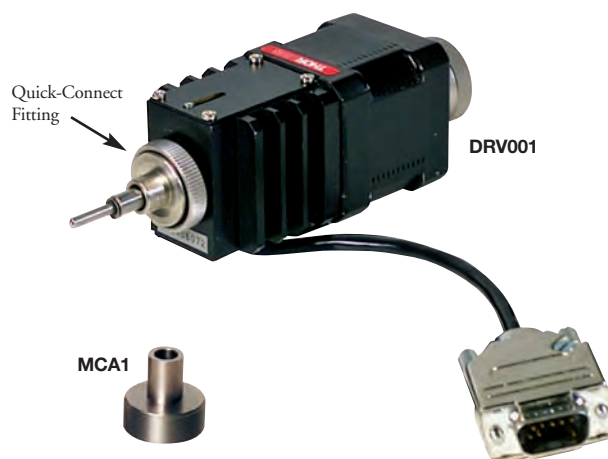
Tutorials

Modular Stepper Motor Actuator, 8 mm (0.31") Travel

- Ideal for MAX300 (See Page 558 - 559) and MAX600 (See Pages 570 - 571) Series Stages
- Non-Rotating Tip
- Modular Quick-Connect Adapter
 - Compatible with MAX Series Stages
 - Compatible with Modular Piezo Actuators (See Pages 604 - 607)
- Manual Adjustment Knob
- Compatible Controllers: BSC203 (See Pages 642 - 643)

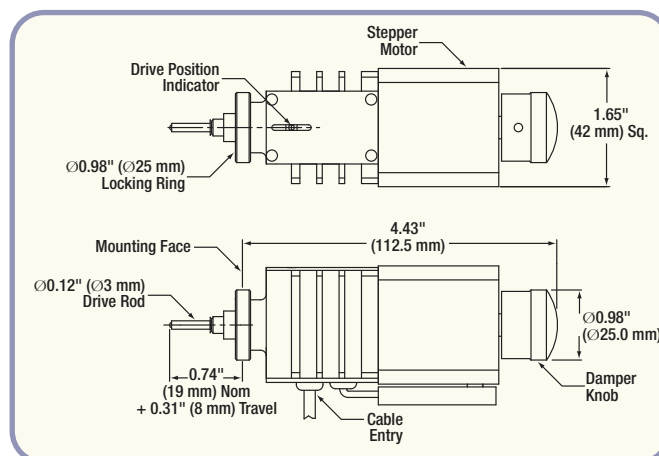
The DRV001 Stepper Motor Actuator has a travel range of 0.31" (8 mm) and is equipped with a quick-connect fitting that ideal for use with our MAX300 and MAX600 series stages. The actuator has a measured minimum step size of 60 nm and is capable of speeds up to 4 mm/s. The powerful stepper motor is capable of handling a load capacity of up to 48 lbs (22 kg).

The MCA1 and MCA2 attach directly to the DRV001 and convert the quick-connect mounting feature into a standard Ø3/8" (MCA1) or Ø10 mm (MCA2) mounting barrel.



SPECIFICATION	VALUE
Travel	8 mm (0.31")
Max Load Capacity	48 lbs (21.8 kg)
Bidirectional Repeatability	0.5 µm
Minimum Incremental Movement	0.06 µm
Speed Range	0.5 µm/s to 4 mm/s
Motor Type	2 Phase Stepper
Lead Screw Pitch	0.5 mm
Full Step Angle	1.8°
Micro Steps per Motor Revolution*	25,600

*When using a compatible controller like the BSC203 (pages 642 - 643)



Please refer to our website for complete models and drawings.

ITEM #	\$	£	€	RMB	DESCRIPTION
DRV001	\$ 585.00	£ 421.20	€ 508.95	¥ 4,662.45	0.31" (8 mm) of Travel, Stepper Motor Actuator
MCA1	\$ 18.90	£ 13.61	€ 16.44	¥ 150.63	Modular Quick-Connect Adapter for Ø3/8" Mounting
MCA2	\$ 18.90	£ 13.61	€ 16.44	¥ 150.63	Modular Quick-Connect Adapter for Ø10 mm Mounting

Have you seen our...

ScienceDesk™ Workstations



SDA150180 Frame
and PerformancePlus Breadboard
shown with Thorlabs' MPM200
Multiphoton Microscopy System

Thorlabs' ScienceDesk™ is a modular workstation with a versatile selection of frames and optional accessories that allows you to build a customized, ergonomic work space for your specific application. New to the line is an active-air frame and 5' x 6' (1500 mm x 1800 mm) breadboard designed to accommodate a multiphoton imaging setup.

- ◆ Rigid, Passive, and Active-Air Welded Steel Frames
- ◆ Stainless Steel Tabletop (With or Without Holes; Nonmagnetic Options also Available)
- ◆ Modular System of Accessories

For more details, see pages 27 - 45