

Continuous Rotation Stage



CR1

- Driven by Fine-Pitch Worm Gear Providing 360° Continuous Motion
- Graduation Marks in 2° Increments
- Vernier Scale Offers 5 arcmin Resolution
- 15° per Revolution of Adjuster Knob
- Application Tested to 25 lbs (11.3 kg) Vertical Load
- Backlash Free
- Compatible with PM3/PM4 Prism Clamps



PM3



CR1A

The CR1 Rotation Stage provides high precision with low backlash, which is achieved using an anti-backlash gear in the worm-gear mechanism. The added ability to stack our line of translation stages on the rotation platform makes this stage useful in any lab.

The CR1A adapter plate, which is used to connect mounts to the CR1's platform, is directly compatible with the following products:

- PH Series of Post Holders (See Page 90)
- T12 Series of 1/2" Mini Translators (See Page 486)
- GN Series of Goniometers (See Page 302).

Note that the MS Series of 1/4" Mini-Translators (see page 484) connect to the CR1 continuous rotation stage without the use of the CR1A plate.

ITEM #	METRIC ITEM #	\$	£	€	RMB	DESCRIPTION
CR1	CR1/M	\$ 314.00	£ 226.08	€ 273.18	¥ 2,502.58	Continuous Rotation Stage
CR1A	CR1A/M	\$ 24.00	£ 17.28	€ 20.88	¥ 191.28	Rotation Stage Adapter Plate
PM3	PM3/M	\$ 18.00	£ 12.96	€ 15.66	¥ 143.46	Small Clamping Arm
PM4	PM4/M	\$ 22.00	£ 15.84	€ 19.14	¥ 175.34	Large Clamping Arm

Motorized Rotation Stage

Receive a 10% Discount on the TDC001 When Ordering Both the CR1-Z7 and TDC001 Together (ITEM # CR1-Z7E)

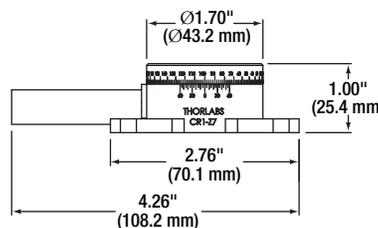
- Continuous 360° Rotation with Backlash-Free Design
- High-Torque, DC Servo Motor with Gear Head and Optical Encoder
- High-Count Optical Encoder (12,288 pulses/rev)
- Vernier Scale Provides 5 arcmin Precision
- Application Tested to 25 lbs (11.3 kg) Vertical Load



CR1-Z7



TDC001
DC Motor Controller
See Page 626



Please refer to our website for complete models and drawings.

The CR1-Z7 Motorized Rotation Stage offers high-precision, continuous motion in a sturdy, compact package. The backlash-free worm-gear design, coupled with a high-resolution optical encoder, provides the rotational precision required in optical laboratories. The high-torque 12 VDC servo motor supplies ample power for rotating vertical loads of up to 25 lbs (11.3 kg).

The CR1-Z7E bundles the CR1-Z7 Rotation Stage with our TDC001 T-Cube DC Servo Motor Controller and TPS001 power supply. For more information, see page 626.

ITEM #	METRIC ITEM #	\$	£	€	RMB	DESCRIPTION
CR1-Z7	CR1/M-Z7	\$ 813.60	£ 585.79	€ 707.83	¥ 6,484.39	Motorized Rotation Stage
CR1-Z7E*	CR1/M-Z7E*	\$ 1,349.10	£ 971.35	€ 1,173.72	¥ 10,752.33	Rotation Stage with DC Servo Motor Controller
CR1A	CR1A/M	\$ 24.00	£ 17.28	€ 20.88	¥ 191.28	Rotation Stage Adapter

*Price includes a 10% discount on the drive module TDC001. Power supply included.

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