

CubeTorquer

Magnetorquers for CubeSats

Description

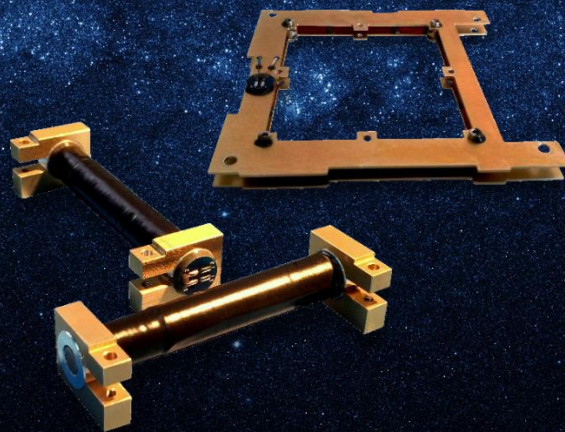
CubeTorquer and CubeCoil are magnetic torquers suitable for CubeSat sized satellites. CubeTorquers include treated ferromagnetic cores for ultra-low remanence and high linearity. Rods and coils can be scaled for larger satellites on request.

CubeTorquer

- Low residual magnetic moment
- Designed for near-perfect linearity
- Includes mounting brackets for ease of integration
- Mountable on CubeControl (Small only)
- Over 250 supplied

CubeCoil

- PC104 form factor - compatible with CubeSat standard
- Low profile design to minimize height



Ordering Information

Size	Small	Medium	Large	Coil
Lead time	<3 Months			
Price	700 USD	950 USD	1 400USD	700 USD
Bundled Price*	1 850 USD	2 510 USD	3 700 USD	1 850 USD

General Specification

Heat shrink	TML = 0.36%, CVCM = 0.04%
End caps	Alodined aluminum
Connection	Solder

* Bundle of 2x CubeTorquers (Small) and 1x CubeCoil or 3x Torquers of same size



Specification

	Small Rod	Medium Rod	Large Rod	CubeCoil
Mass	28g	36g	72g	46g
Nominal moment @ 25 °C	$\pm 0.24 \text{ Am}^2$ (2.5V)	$\pm 0.66 \text{ Am}^2$ (5V)	$\pm 1.9 \text{ Am}^2$ (5V)	$\pm 0.13 \text{ Am}^2$ (5V)

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