

ZYRA REACTION WHEEL

The Zyra reaction wheel is a compact, low microvibrations reaction wheel for CubeSats up to 12U. The wheel is equipped with custom drive electronics and internal speed control to offer high rotational speed accuracy and stability. The wheel is radiation shielded and is offered with its mounting on 3 different planes for flexible integration.



Features

Performance

- Momentum capacity: 27.5mNm
- Torque: 1,5 mNm
- Mass: 165g
- Dimensions: 40x40x24.5mm
- Low μ Vibrations
- Integrated drive electronics
- Internal speed stability control for friction estimation and compensation
- G0.4 Balancing grade (Static and dynamic)
- Embedded electronics & control

Robustness

- Radiation tested electronics

- ✓ High accuracy
- ✓ High Robustness
- ✓ Easy interfacing

Interface

- RS485
- 5 - 12 V DC input
- No power return to bus
- Horizontal or vertical mounting available

