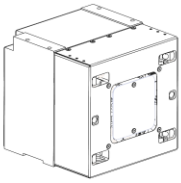
SUPERHEATED WATER VAPOR PROPULSION & REACTION CONTROL SYSTEM



ThrustMe Propulsion and Reaction Control System (RCS) provides fine manoeuvring, reaction wheels desaturation, and full orbit and attitude control capabilities in a single 1U package. The system can provide not only a translational satellite control but also a fine 3-axis movement with 6 degrees of freedom attitude control. The ThrustMe RCS prototype has been successfully ground tested, demonstrating high performance and excellent thrust stability.

PRODUCT INFORMATION



Water Propulsion & Reaction Control System 3D Mockup

FULL ATTITUDE CONTROL
6 configurable nozzles
Customization available

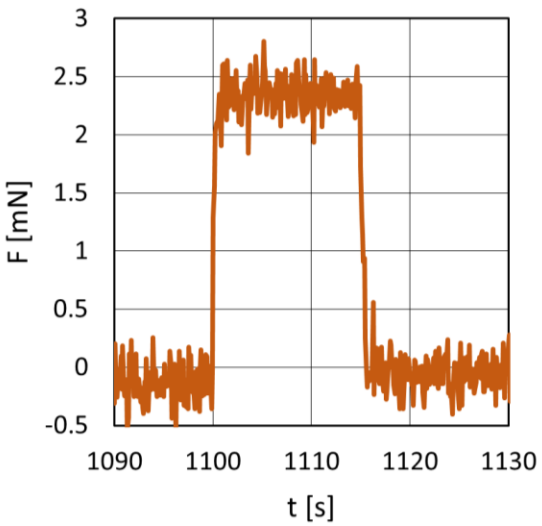
HIGHEST TOTAL IMPULSE
Top value for smallsat Reaction Control
Advanced thermal design know-how

ULTRA FAST RESPONSE & STABILITY
Accurate thrust
Nominal thrust achieved immediately
Maintained nominal thrust throughout firing
Perfect for high-precision maneuvering

PERFORMANCE & SPECIFICATIONS

Thrust	1 – 4mN (per thruster)
Number of thruster	6, independent control
Isp	100 – 120 s
Total impulse	> 400 Ns*
Total wet mass	< 1 kg
Total power	10 – 30 W
Reaction time	50 ms
Min impulse bit	50 µNs

* for 1U - can be customized for higher total impulse



15s Firing Profile

INTERFACE

Input voltage	12 – 28 V
Bus interface	I^2C, CAN

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As experts in in-space propulsion and satellite orbital manoeuvring strategies, our mission is to enable a future where space is used sustainably to create value on Earth and beyond. ThrustMe provide a complete portfolio of streamlined propulsion products designed for the new satellite constellation paradigm. The company is pioneering the use of iodine based propulsion and made history in 2019 and 2020 with the world's first in-orbit demonstration of iodine-fuelled electric propulsion systems.