

I2T5 COLD IODINE THRUSTER

Imagine having a cold gas thruster with no pressurized tank – it is now available! ThrustMe's I2T5 is a self-pressurized cold gas propulsion system operating with lodine as propellant. The I2T5 stand-alone system includes the propellant storage, the flow control, the PPU as well as thermal management and intelligent operation all embedded into a 0.5U form factor.

PRODUCT INFORMATION

PERFORMANCE & SPECIFICATIONS

Thrust Total impulse Footprint Total wet mass Total power Start-up time 0.2 mN 75 Ns 0.5 U 0.9 kg 5 - 10 W 10 min

PRICING, DELIVERY & CUSTOMIZATION

Pricestarts at 14 000 €Delivery<20 weeks after ordering</td>CustomizationYes. Contact us.

INTERFACE

Input Voltage Bus interface 12 - 28 V I²C, CAN

ADVANTAGES

- ✓ Thrifty
- ✓ Safe
- Convenient

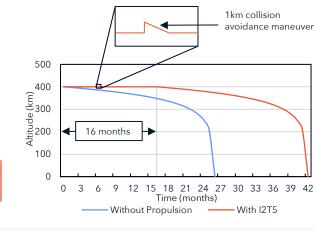


I2T5 Flight Model

ENABLING LONGER LIFETIMES AND DEBRIS MITIGATION

MISSION SPECIFICATIONS

Form Factor	3 U
Satellite Total Mass	4 kg
Altitude	400 km
Atmospheric Density @ 400km	3.04E-12 kg/m ³
Total Impulse	75 Ns
ΔV per Collision Avoidance	0.57 m/s*
	* for a 1km maneuver



A 3U Earth observation CubeSat hitches a ride to a 400km SSO orbit. It uses an I2T5 to remain on its release orbit for 16 months, while performing 2 collision avoidance maneuvers.

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WWW.THRUSTME.FR

ThrustMe was created to enable an economically and environmentally sustainable space industry. Our core activity is the development and commercialization of unique standalone, fully integrated space propulsion systems for next generation satellites. We also provide tailored systems for ground testing of space hardware. We are a highly qualified and multidisciplinary team with expertise in plasma physics, space propulsion, aerospace engineering, fluid dynamics, thermal management, digital and power electronics and chemistry.

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