



# I2T5

## COLD IODINE THRUSTER



Imagine having a cold gas thruster without a pressurized propellant tank – such a system is now available!

ThrustMe's I2T5 is a non-pressurized cold gas propulsion system operating with solid iodine propellant. The I2T5 stand-alone system includes the propellant storage, flow control, power processing unit (PPU), as well as thermal management and intelligent operation all embedded into a 0.5U form factor. Its standardized architecture allows for very short lead times and batch production to better serve constellation needs.

### PRODUCT INFORMATION



I2T5



### ADVANTAGES

- ✓ Safe
- ✓ Convenient
- ✓ Economical

### PERFORMANCE & SPECIFICATIONS

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

### PRICING, DELIVERY & CUSTOMIZATION

Price	starts at 14 000 €
Delivery	<12 weeks after ordering
Customization	Yes-Contact us.

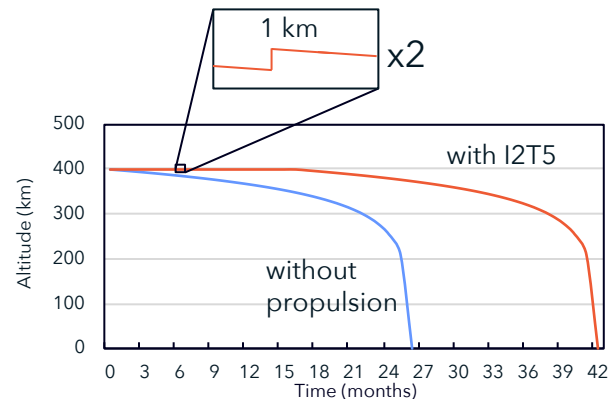
### INTERFACE

Input Voltage	12 – 28 V
Bus interface	I <sup>2</sup> C, CAN

### ENABLING LONGER LIFETIMES AND DEBRIS MITIGATION

#### CASE STUDY

<b>Platform</b>	Form Factor	3 U
	Total Mass	4 kg
<b>Environment</b>	Altitude	400 km
	Avg. Atm. Density	$3.04 \times 10^{-12}$ kg/m <sup>3</sup>
<b>I2T5 Propulsion</b>	x2 Collision Avoidance $\Delta V$	1.14 m/s
	Atmospheric Drag $\Delta V$	17.61 m/s



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ThrustMe was created to enable an economically and environmentally sustainable space industry. Our core activity is the development, production and commercialization of intelligent fully-integrated space propulsion systems, for next generation satellites. We also provide scientific instruments, such as electrical and plasma equipment, 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.