

NEWSPACE MARKET · COMPANY PROFILE



Pyxis Space

Germany · pyxis-space.com

9

PRODUCTS

2

WITH DATASHEETS

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as of 20 August 2026

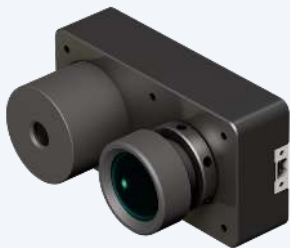


Pyxis Space

Pyxis Space GmbH is a University of Würzburg spin-off headquartered in Franconia, Bavaria, Germany. Founded by former members of the Aerospace Technologies department, the team brings over 15 years of combined experience in satellite technology. The company specialises in miniature optoelectronic sensors and attitude determination and control system (ADCS) components for small satellites. Their product portfolio includes star sensors, sun sensors, earth horizon sensors, reaction wheels, and UHF/VHF transceivers — all designed for CubeSat-class platforms. Pyxis Space is a participant in the ESA Business Incubation Centre Bavaria programme. Their sensor technologies have been flight-verified through CubeSat missions at German universities, providing a growing in-orbit heritage base.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

Product catalogue



PYXIS SPACE

Earth Horizon Sensor

The Pyxis Space Earth Horizon Sensor provides nadir-vector measurement for CubeSat attitude control using both visible (VIS) and infrared (IR) spectral observation. Detecting the E

Dimensions	28 × 28 × 53 mm³
Mass	32 g
Observation bands	Visible (VIS) and Infrared (IR)
Pointing accuracy	1° Earth pointing
Price	€6,000

\$6 000 [datasheet](#)



PYXIS SPACE

EGSE Box & Software

The Pyxis Space EGSE Box & Software package provides a complete Electrical Ground Support Equipment solution for testing, characterizing, and qualifying Pyxis Space ADCS compon

PC Interface	USB
Software functions	Control, visualization, measurement analysis, firmware updates
Compatible products	All Pyxis Space ADCS sensors and actuators
Price	€5,000

€5 000



PYXIS SPACE

Micro Star Sensor

The Pyxis Space Micro Star Sensor is a high-accuracy, compact star tracker designed for demanding nanosatellite and microsatellite missions requiring superior pointing precision. W

Dimensions	<Ø70 mm × 100 mm
Pointing accuracy	<0.02° on all axes
Data rate	Up to 4 Hz
Stray light protection	Enhanced
Price	€35,000
Target platform	Nanosatellite / microsatellite

€35 000



PYXIS SPACE

Multi-Head Star Sensor

The Pyxis Space Multi-Head Star Sensor provides enhanced attitude determination performance through the use of multiple optical sensor heads operating simultaneously. Supporting up

Pointing accuracy	<0.05° on all axes
Max sensor heads	Up to 6
Base configuration	4 sensor heads
Redundancy	Automatic - excludes blinded sensors
Price	€30,000 (base, 4 heads)
Management	Compatible with Pyxis Control Box

€30 000



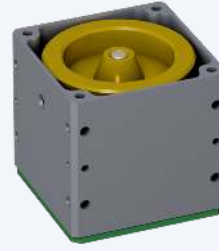
PYXIS SPACE

Nano Star Sensor

The Pyxis Space Nano Star Sensor is a miniaturized attitude determination sensor designed specifically for CubeSat platforms. Achieving sub-0.05° accuracy on all axes, it delivers

Dimensions	36 × 36 × 46 mm ³
Pointing accuracy	<0.05° on all axes
Target platform	CubeSat (1U–12U)
Price	€10,000
Measurement type	Star pattern recognition, absolute attitude determination

€10 000



PYXIS SPACE

Reaction Wheel

The Pyxis Space Reaction Wheel is a miniaturized momentum exchange device for precise attitude control of CubeSat and nanosatellite platforms. Measuring only 32 × 32 × 32 mm³ and w

Dimensions	32 × 32 × 32 mm ³
Mass	100 g
Max torque	2 mNm
Momentum storage	5 mNms
Interface	CAN 2.0B
Price	€6,000

\$6 000

[datasheet](#)



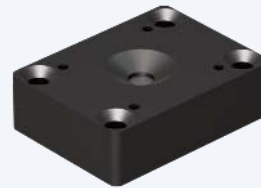
PYXIS SPACE

Star Field Simulator

The Pyxis Space Star Field Simulator is a hardware-in-the-loop test tool that generates synthetic star field images for functional testing of star sensors in a ground laboratory. B

Interface	USB-C DP or Micro-HDMI
Operation	Battery-powered stand-alone for air bearing table testing
Test capability	Hardware-in-the-loop functional testing of star sensors
Compatible sensors	Pyxis Nano, Multi-Head, and Micro Star Sensors
Price	€35,000

€35 000



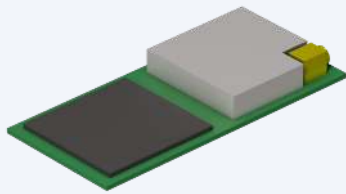
PYXIS SPACE

Sun Sensor

The Pyxis Space Sun Sensor is an ultra-compact, lightweight attitude sensor that provides coarse Sun direction measurement for CubeSat and nanosatellite platforms. At just 7 × 18 ×

Dimensions	7 × 18 × 24 mm ³
Mass	12 g
Field of View	92° × 92°
Pointing accuracy	<0.2° (calibrated)
Interface	CAN 2.0B, I2C, UART
Price	€2,500

€2 500



PYXIS SPACE

UHF/VHF Transceiver

The Pyxis Space UHF/VHF Transceiver provides a compact, multi-mode radio communication module for CubeSat TT&C (telemetry, tracking, and command) operations. In an extremely sm

Dimensions	6 × 30 × 62 mm ³
Output power	Up to 1.4 W
Communication modes	AX.25 AFSK/GFSK TM & TC, APRS digipeater, SSTV-FM
Interface	CAN 2.0B, UART
Frequency bands	UHF / VHF (configurable)
Price	€6,000

€6 000

Contact Pyxis Space

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

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