

SPACECRAFT SYSTEMS

2 MPa Micro Pressure Sensor

The 2 MPa Micro Pressure Sensor is an essential unit for measuring propellant tank pressure in satellite propulsion systems. It employs a metallic elastic diaphragm sensing principle, achieving high performance at a low cost. The sensor is lightweight, compact, precise, and energy-efficient, making it ideal for micro- and small-satellite propulsion applications.

TECHNICAL SPECIFICATIONS

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Dimensions (mm)	26 × 26 × 62
Mass (g)	60
Mounting Material	316L
Operating Temperature (°C)	-20 to +50
Storage Temperature (°C)	-40 to +125
Communication Interface	Y4-4ZJLM

Quick Overview

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Key Features

- Manufactured with advanced ion-beam etching and micro-machining technology.
- Integrated electromechanical design with high integration level.
- Lightweight, compact, high accuracy, and low power consumption.
- Excellent adaptability to harsh space environments.

Applications

- Used for propellant tank pressure monitoring in satellite propulsion systems.

Documentation & Resources

- [Technical Specifications](#)

- [Applications](#)