



Getting the right data

<https://nekotek.io>

**EXTREME TEMPERATURE PRESSURE SENSOR**



## EXTREME TEMPERATURE PRESSURE SENSOR

Pressure sensor for extreme conditions: from cryogenic to high temperature (1,000 K).

Miniature sensor based on new high resolution sensing technology compatible with limited space, flat or cylindrical.

Resistant to thermal shock, and near zero thermal coefficient of resistance.

### APPLICATIONS

- Combustion monitoring and control
- High/cryogenic temperature pressure vessels
- Liquified gas tanks (hydrogen, hydrocarbons)
- Aerospace applications
- High temperature reactions
- Petrochemical refineries
- Hot synthesis reactors



### TECHNICAL SPECIFICATIONS

- Easy installation: M3 or any interface
- Suitable for contact with highly corrosive media
- USB or POE data connection
- Wired or wireless data transmission
- Digital output
- IoT interface: OPC UA / MQTT/ UDP / TCP/IP, open source
- Good resolution pressure measurements (0.2 % FS)
- Ability to survive up to 1,000 K
- Resistant to thermal shock
- Intrinsic temperature compensation
- Maximum sampling rate 32 kHz
- Resolution 16 or 24 bit over full scale
- Sized to any full scale pressure
- High sensitivity
- Optional: combined temperature and pressure