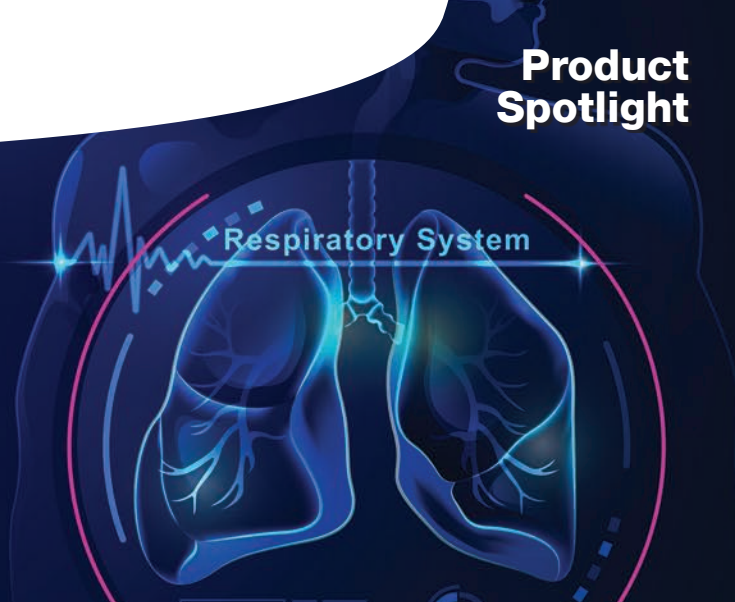


NPA Pressure Sensors for Respiratory Care



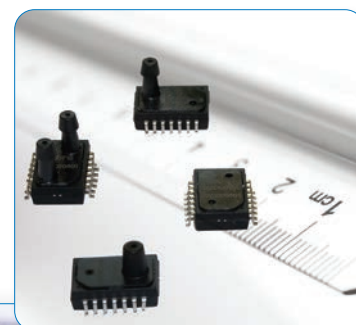
The **NovaSensor Pressure Amplified (NPA) Sensor** is a surface mount pressure sensor provided in a miniature size as a cost-effective solution for respiratory applications that require calibrated performance. Housed in a 14-pin SOIC surface mount package, the NPA Series is available in gauge, absolute and differential pressure ranges with either mV, amplified analog or digital outputs. The sensor is intended for printed circuit board mounting and delivered in tape-and-reel for ease of manufacturing.

Features for Respiratory-Specific NPAs:

- SOIC Surface-mountable
- Differential, gauge, absolute and low pressure
- Pressure ranges from 2Inch H₂O to 30 psi
- Output Options: Amplified Analog
Digital (14bit)
Digital I²C
SPI
SENT & Uncalibrated mV
- On-chip temperature sensor in digital mode
- Operating temperature range of -40°C to 125°C
- Fast response <1ms

Respiratory Applications:

- Ventilators and Anesthesia
- Oxygen Concentrators
- Sleep Apnea (CPAP, PPAP, COPD)
- Medical Respirators
- Spirometers



Download NPA Product Documents:

- [NovaSensor NPA | Surface Mount Pressure Sensors - Datasheet](#)
- [NovaSensor NPA | Low Pressure Surface Mount Pressure Sensors - Datasheet](#)
- [NovaSensor NPA | Pressure Sensor - Application Guide](#)