

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:

- Surface-mountable
- Differential, gauge, absolute and low pressure
- Up to 5 PSI full scale
- Output Options: Amplified Analog, Digital Serial (14bit), Digital I²C, Uncalibrated mV
- On-chip temperature sensor in digital mode
- Operating temperature range of -40°C to 125°C
- Fast response
- High accuracy

Respiratory Applications:

- Ventilators
- Oxygen Concentrators
- Sleep Apnea (CPAP)
- Medical Respirators



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](#)