The NPA product series is provided in a miniature size as a cost effective solution for applications that require calibrated performance. Packaged in a SOIC14 pin surface mount, the NPA Series is available in Gauge or Differential pressure ranges with analog output, as well as digital output. The sensor is intended for printed circuit board mounting and delivered in tape and reel form to simplify manufacturing handling.

Features
- Surface Mountable
- Differential and Gauge Low Pressure
- 2” & 5” H₂O Pressure Ranges
- Amplified Analog and I²C Output
- Compensated Temperature Range of 0 to 60°C
- Operating Temperature Range of -40 to 125°C
- Total Error Band ±1.5% FSO for 5” H₂O
  Total Error Band ±2.5% FSO for 2” H₂O
- 10 PSI Burst Pressure on 2” H₂O Full Scale
- 15 PSI Burst Pressure on 5” H₂O Full Scale

Digital compensation of the signal offset, sensitivity, temperature, and non-linearity is accomplished via a 14-bit internal digital signal processor (DSP) running a correction algorithm.

Applications
- Sleep Apnea
- Ventilation
- Anesthesia
- Delta-Pressure Flow
- HVAC
- Passenger Oxygen Systems
- Cabin Climate Control
- Air Filtration Monitoring
- Active Drag Reduction
- Process Controls
- Altimeters / Barometers
- SCBA (Self contained breathing apparatus)