




Differential Pressure Sensor Technical Specifications	
Supply voltage	2.7–3.8 VDC (3.0–3.8 VDC using power supply) *
Current consumption	0.2 μ A (sleep mode), 0.7 μ A (RTC sleep), 570 μ A (MCU idle), 2.5 mA (MCU active), 5.5 mA (radio RX mode), 22.6 mA (radio TX mode)
Operating temperature range (commercial version) **	-18°C to 55°C (0°F to 130°F) with Alkaline Batteries -40°C to 85°C (-40°F to 185°F) with Lithium Battery
Power	Line Power with Battery Backup & Switch
Pressure range	-500 Pa to 500 Pa
Allowable overpressure	100 kPa
Rated burst pressure	500 kPa
Max humidity for long-term exposure	40°C dew point
Accuracy	3% of reading +/- 0.1 Pa
Span repeatability	0.5% of reading
Span shift due to temperature variation	< 0.5% of reading per 10°C
Offset stability	< 0.05 Pa/year
Calibrated for	Air, N2
Media compatibility	Air, N2, O2, non-condensing
Temperature measurement range	-40°C to 85°C (-40°F to +185°F)
Calibrated temperature measurement range	-20°C to 85°C (-4°F to +185°F)
Temperature resolution	0.1°C
Temperature accuracy	+/- 2°C (-10°C to +60°C) +/- 3°C (-40°C to +85°C)
Temperature repeatability	+/- 0.1°C
Integrated memory	Up to 3200 sensor messages
Wireless range	1,200+ ft non-line-of-sight
Wireless operation	900 MHz—Frequency-Hopping Spread Spectrum 868 MHz and 433 MHz—Frequency-Agile Wireless
Security	Encrypt-RF® (256-bit key exchange and AES-128 CTR)
Weight	3.7 ounces
Certifications	<div style="display: flex; align-items: center; gap: 10px;">    Industry Canada </div> 900 MHz product; FCC ID: ZTL-G2SC1 and IC: 9794A-G2SC1. 868 and 433 MHz product tested and found to comply with: EN 300 220-2 V3.1.1 (2017-02), EN 300 220-2 V3.1.1 (2017-02) and EN 60950

* Hardware cannot withstand negative voltage. Please take care when connecting a power device.

** At temperatures above 100°C, it is possible for the board circuitry to lose programmed memory.