

# ALBA5-P Sensor

## DESCRIPTION

The ALBA5-P is a pressure sensor, designed to constantly monitor absolute or gauge pressure. The ALBA5-P sensor can be used as a standalone sensor or configured as a group of sensors plus a base station.

The ALBA5-P sensor can be configured to measure and record:

- Absolute Pressure
- Gauge Pressure
- Temperature



## FEATURES

- Sensor output – Traffic Light LED, LCD Numerical Readout or Data via LoRa or Wi-Fi
- Battery operated (min 12 months between charges) or external power supply
- Configured using either LoRa, Wi-Fi or Bluetooth
- Continuous data transmission option from sensor to base station

## SPECIFICATIONS

INPUT SUPPLY	
Internal Battery or External Power supply (9-25V), dependent on application	
SENSOR INPUTS	
Sensor	Setting from PC
	LoRa or Wi-Fi
	Independent Sensor Setting
	QR Code Via Bluetooth
SENSOR PARAMETERS	
Operating Pressure	0 to 60 psi (other Pressure Ranges Available)
Accuracy	+/- 0.25%
Operating Temperature Range	-20 to +85°C
Compensated Temperature Range	0 to +50°C
Storage Temperature Range	-40 to +85°C
Operating Humidity	0 to 95% RH, Non-Condensing
Protection	IP65
Life	1 Million Pressure Cycles Min (can vary depending on specific application)
Data Measurement	Measurement Frequency Set by User (1s to 1 Day Intervals)
	Constant Visual Indication
Battery Life	12 Months
SENSOR ORDERING DETAILS	
Individual Sensor	<b>ALBA5-P</b>
Sensor Plus Base Station	<b>ALBA5-P-S-Y<sup>1</sup></b>
1: Y indicates Quantity of Sensors in System	



Please call or email us to discuss your specific requirements:

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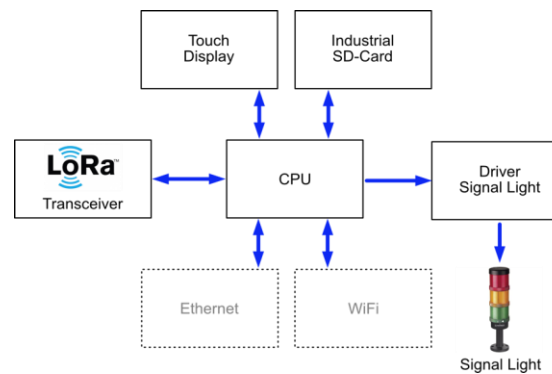


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## ALBA5-S-P



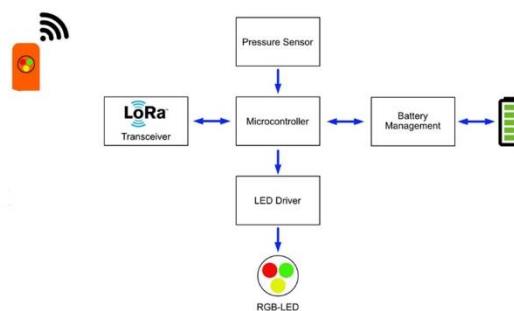
**ALBA5-P-S: Sensors and Base Station**



**ALBA5-P: Base Station Architecture**

The ALBA5-P system consists of a **Base Station** and up to **150 sensors**. A preset limit is constantly monitored by the microcontroller and clearly signaled on the sensor and the base station if it falls below some preset thresholds. The LoRa radio standard is used for transmission between the sensors and the base station.

## ALBA5-P: Sensor Architecture



The Albacom ALBA5-P can be used as a standalone sensor which stores data directly on the device without the need for a base station. The Operator can read the data via smartphone. Settings and data can be accessed via a QR Code and Bluetooth.

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