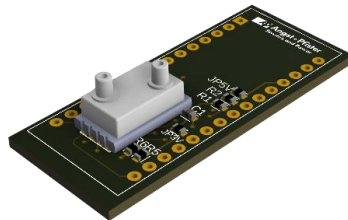# Starter Kit PHPS-8500

1   Description

The PHPS-8500 pressure sensor Starter kit is composed of an Arduino Nano board, a PCB, 1 PHPS-8500 sensor and C-Code. The Sensor is soldered on to the PCB, which in turn can easily be attached to the Arduino board. The code version provided with the kit will allow a quick understanding of the communication with the PHPS-8500 sensor. The manual allows for the kit to be installed easily and quickly.

2   Features

- Available for all PHPS-8500 sensors

- Simple installation, based on Arduino platform

- Multiple code versions for different use cases (e. g. raw data and converted data output)

- Detailed manual

- Kits for other sensors available on request

3   Revision History

Revision A - 26.04.2023

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Initial Revision   Released

4   Specification

Parameter	Condition	Value	Unit
Operating Voltage	depending on version	3.0/5.0	V
Microcontroller Clock Speed		48	MHz
Number of pressure sensors		1	pc.
Analog inputs			
I2C inputs		1	
SPI inputs		1	
I2C Clock	If appl., adjustable through software	100…400	kHz
Pull up resistors	If appl.	4.7	kOhm
Signal output rate	Adjustable through software		
Output resolution	If appl.	15	bit
Compensated temperature		0…70	°C
Connectivity		USB-A	
Length		13.2	mm
Width		8	mm

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