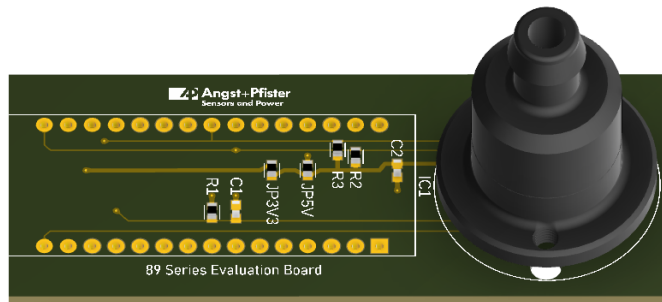# Starter Kit 89 Series

1 Description

The 89 series pressure sensor Starter kit is composed of an Arduino Nano board, a PCB, one 89 series I2C sensor and Arduino-Code. The Sensor is soldered on to the PCB, which in turn can easily be attached to the Arduino board. The code provided with the kit will allow a quick understanding of the communication with the sensor. The manual allows for the kit to be installed easily and quickly.

2 Features

- Available for all 89 series I2C sensors

- Simple installation, based on Arduino platform

- Detailed manual

- Kits for other sensors available on request

4 Specification

Parameter	Condition	Value	Unit
Operating Voltage	depending on version	3.0/5.0	V
Microcontroller Clock Speed		16	MHz
Number of pressure sensors		1	pc.
Nr of outputs	SPI, I2C or analog	1	
I2C Clock	If appl., adjustable through software	0.1…3.4	MHz
SPI Clock	If appl., adjustable through software	0.05…12MHz	
Pull up resistors	If appl.	4.7	kOhm
Signal output rate	Adjustable through software		
Output resolution	If appl.	16	bit
Compensated temperature		0…50	°C
Connectivity		USB-A	
Length		70.4	mm
Width		27.8	mm

3 Revision History

Revision A - 05.07.2023

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Initial Revision   Released