



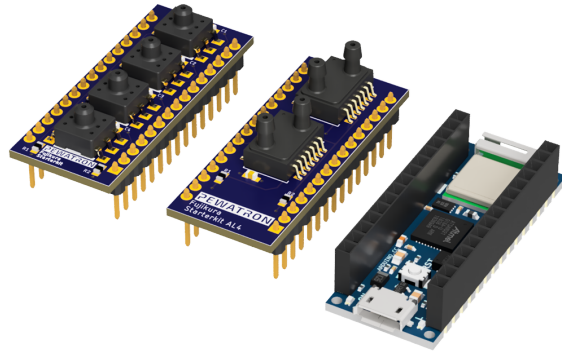
## Starter kit Fujikura

### 1 Description

The Fujikura pressure sensor Starter kit is composed of an Arduino Nano board, a PCB, up to 4 Fujikura AG4 sensors and C-Code. The Sensors are soldered on to the PCB, which in turn can easily be attached to the Arduino board. The multiple code versions provided with the kit allow a quick understanding of the communication with Fujikura sensors. The manual allows for the kit to be installed easily and quickly.

### 2 Features

- Available for all Fujikura AG2, AP2, AG3, AP3, AG4, AP4, AL4 sensors
- From 1 to 4 sensors on one I2C bus, or independent analog inputs
- 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 - 08.04.2020

Initial Revision	Released
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### 4 Specification

Parameter	Condition	Value	Unit
Operating Voltage	depending on version	3.3/5.0	V
Microcontroller Clock Speed		48	MHz
Number of pressure sensors	depending on version	1-4	pcs.
Analog inputs		8	
I2C inputs		1	
SPI inputs		1	
I2C Clock	if appl., adjustable through software	100...400	KHz
Pull up resistors	if appl.	4.7	kOhms
Signal output rate	adjustable through software	0...2.5	KHz
Output resolution	if appl.	16	Bit
Compensated temperature		0...85	°C
Connectivity	WiFi and Bluetooth available on request	USB-A	--
Length		45	mm
Width		18	mm

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