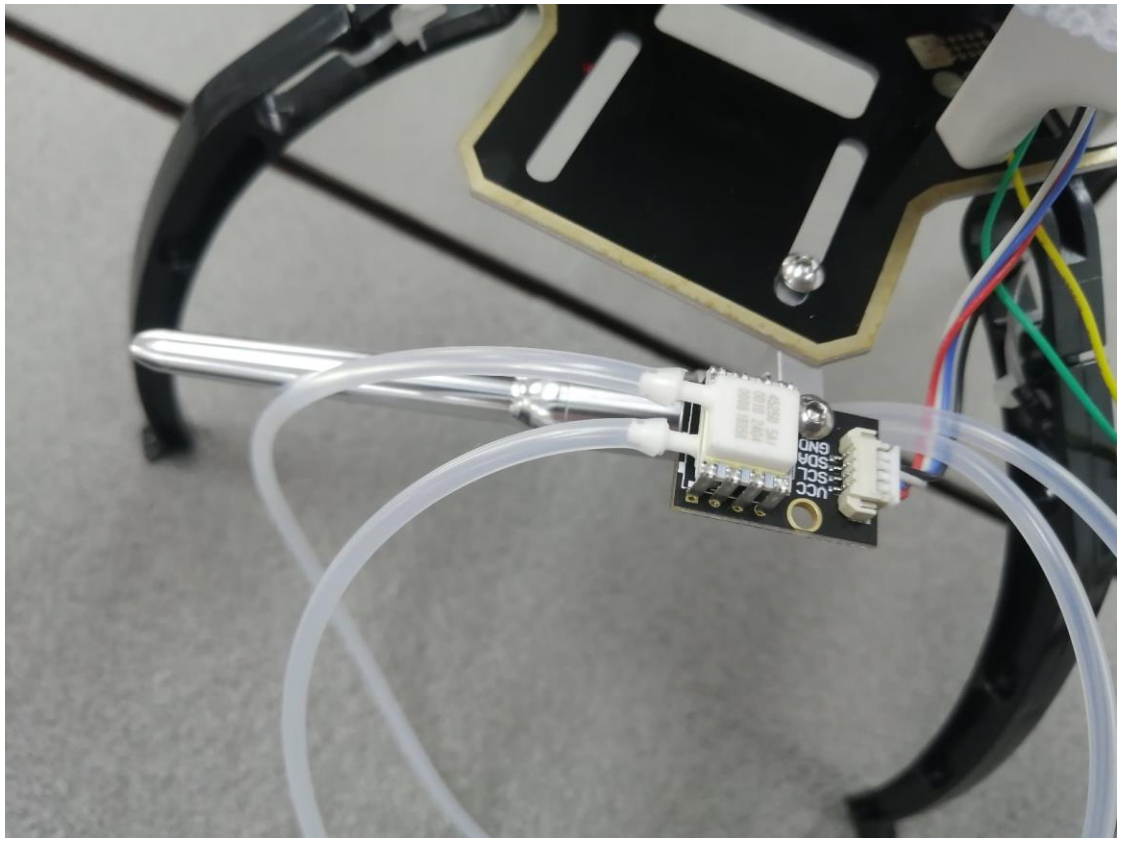
AirSpeed

Synerduino STM

VERSIONS: F405, F411, H743

For more Information:
www.synerflight.com

AIRSPEED SENSOR INSTALLATION



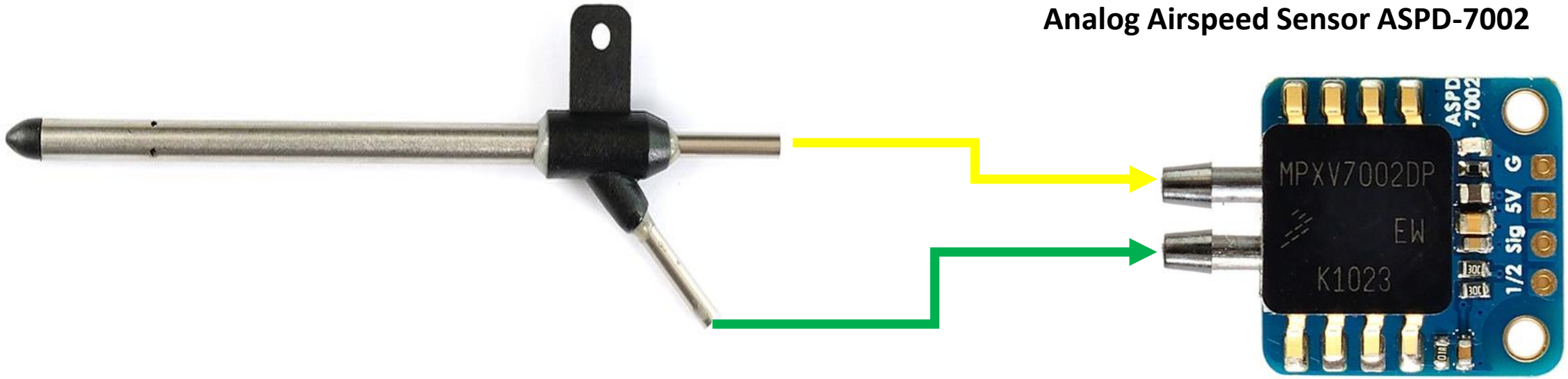
I2C Airspeed Sensor MS4525 / ASPD-4525

Supply voltage: 4~5.5V DC
Sensor: TE 4525DO-DS5AI001DP
Working current: 5mA
Output: I2C (SCL & SDA)
Pressure Ranges: 1 PSI (6.89kPa)
Maximum Pressure: 20 PSI (137.9kPa)
JST-GH sequence: 5V, SCL, SDA, GND
Weight: 3.5g

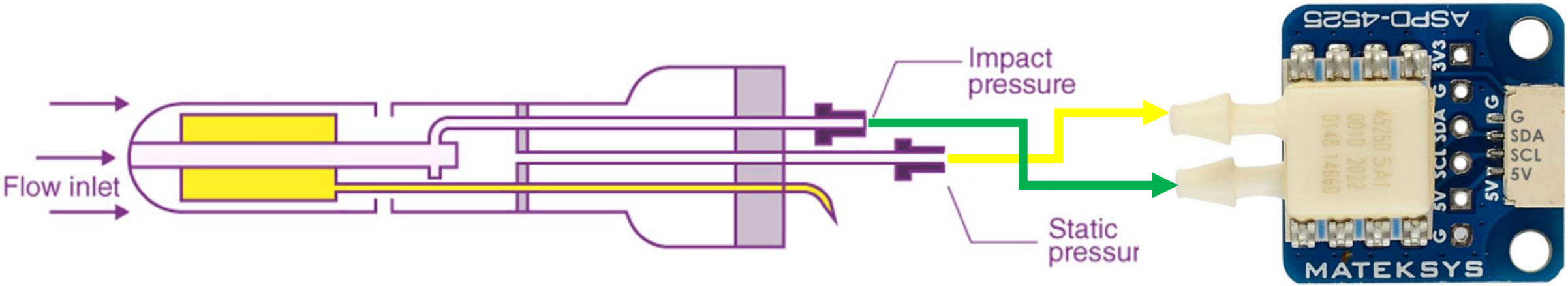
Analog Airspeed Sensor ASPD-7002

Input voltage: 4.8~5.2V DC
working current: 20mA
Sig: 0.5V ~ 4.5V output
1/2: =0.5Sig, built in voltage divider
Pressure Range: -2 ~ 2kPa (-0.3~0.3psi)
Weight: 4g

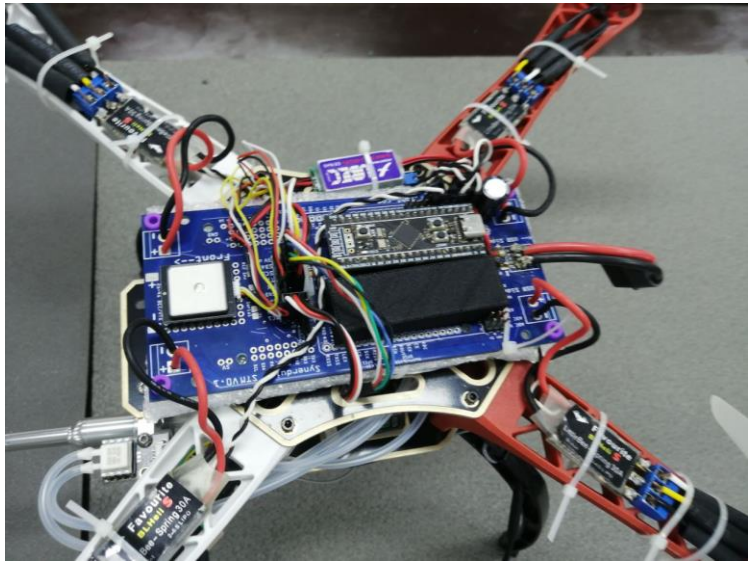
Analog Airspeed Sensor ASPD-7002

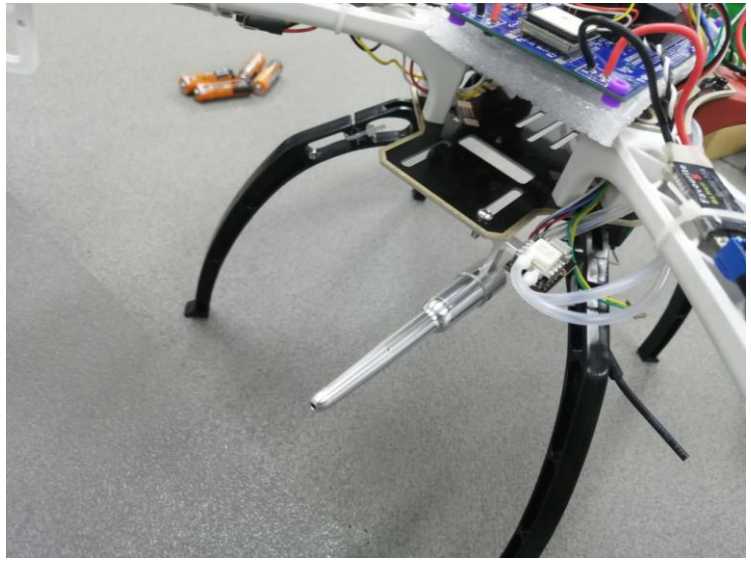


I2C Airspeed Sensor MS4525 / ASPD-4525

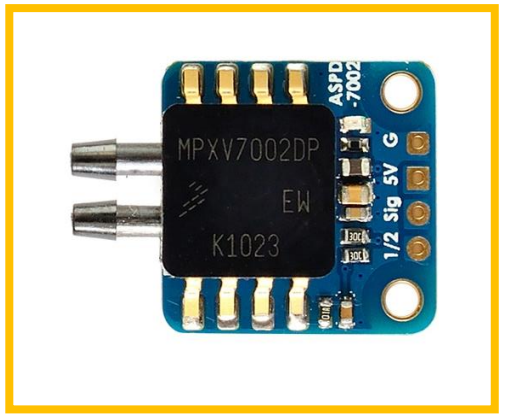


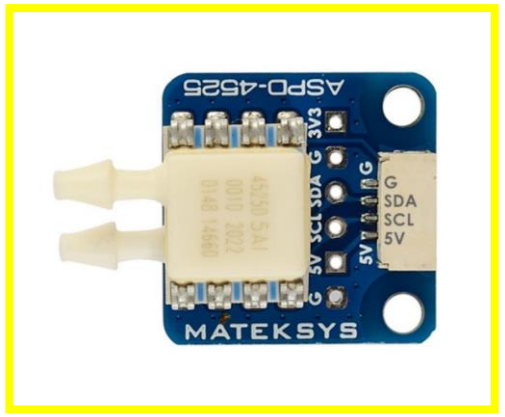
SYNERDUINO INSTALLATION





SYNERDUINO STM F411 SHIELD

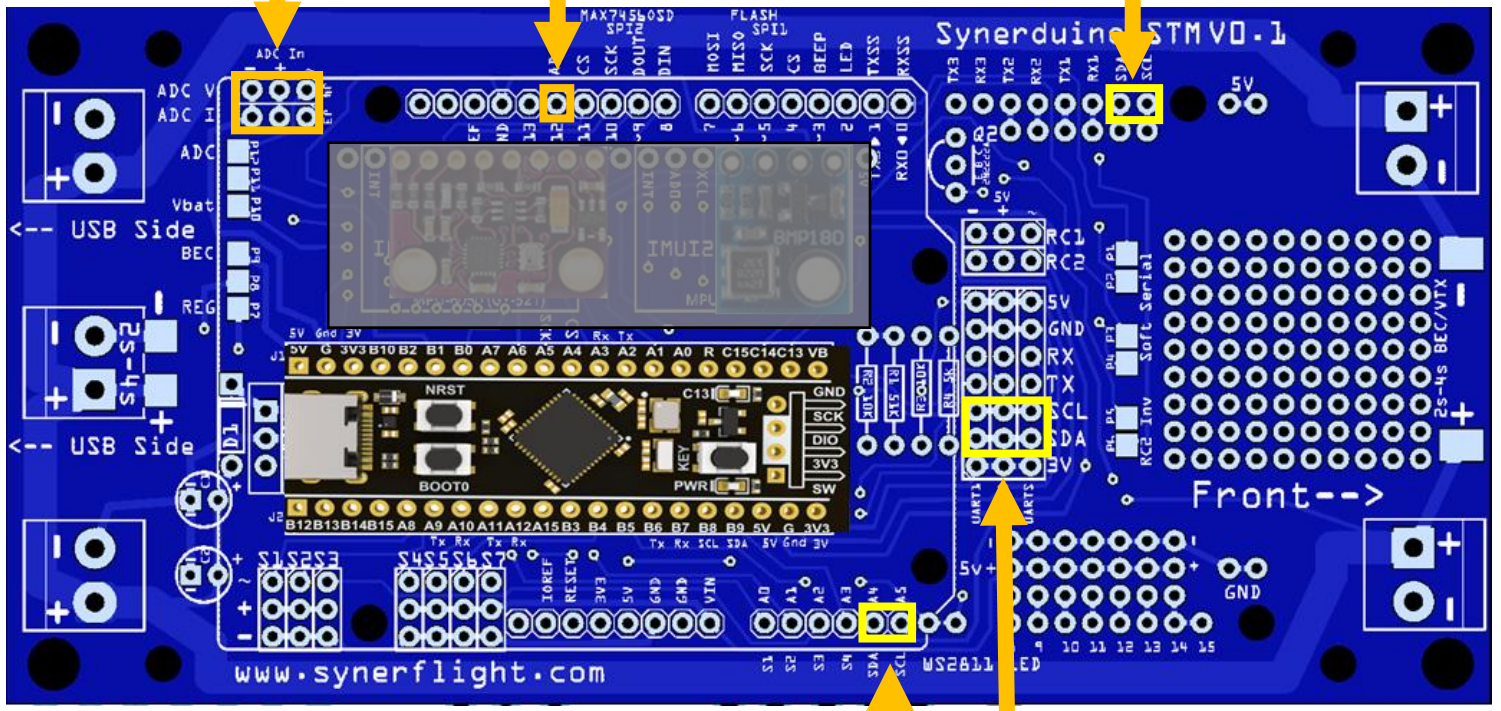




ADC Pins Airspeed on ADC4

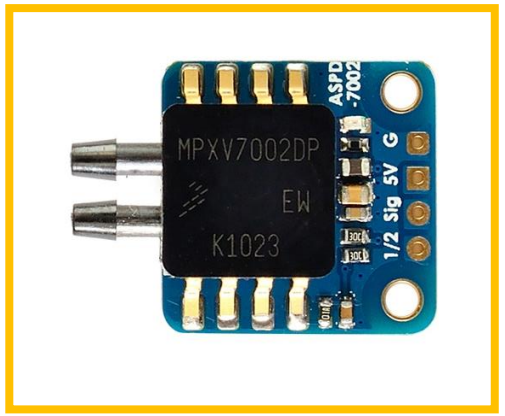
ADC Pins Airspeed on ADC4

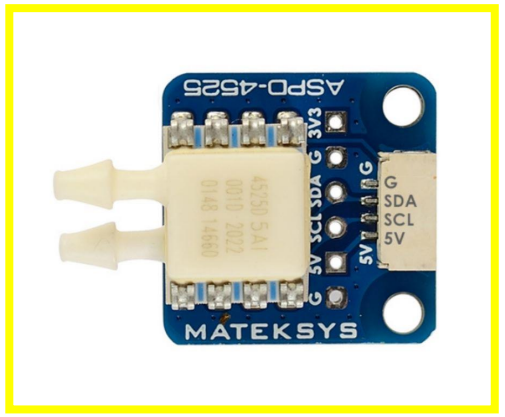
I2C Pins



I2C Pins

SYNERDUINO STM F405 SHIELD





ADC Pins Airspeed on ADC4

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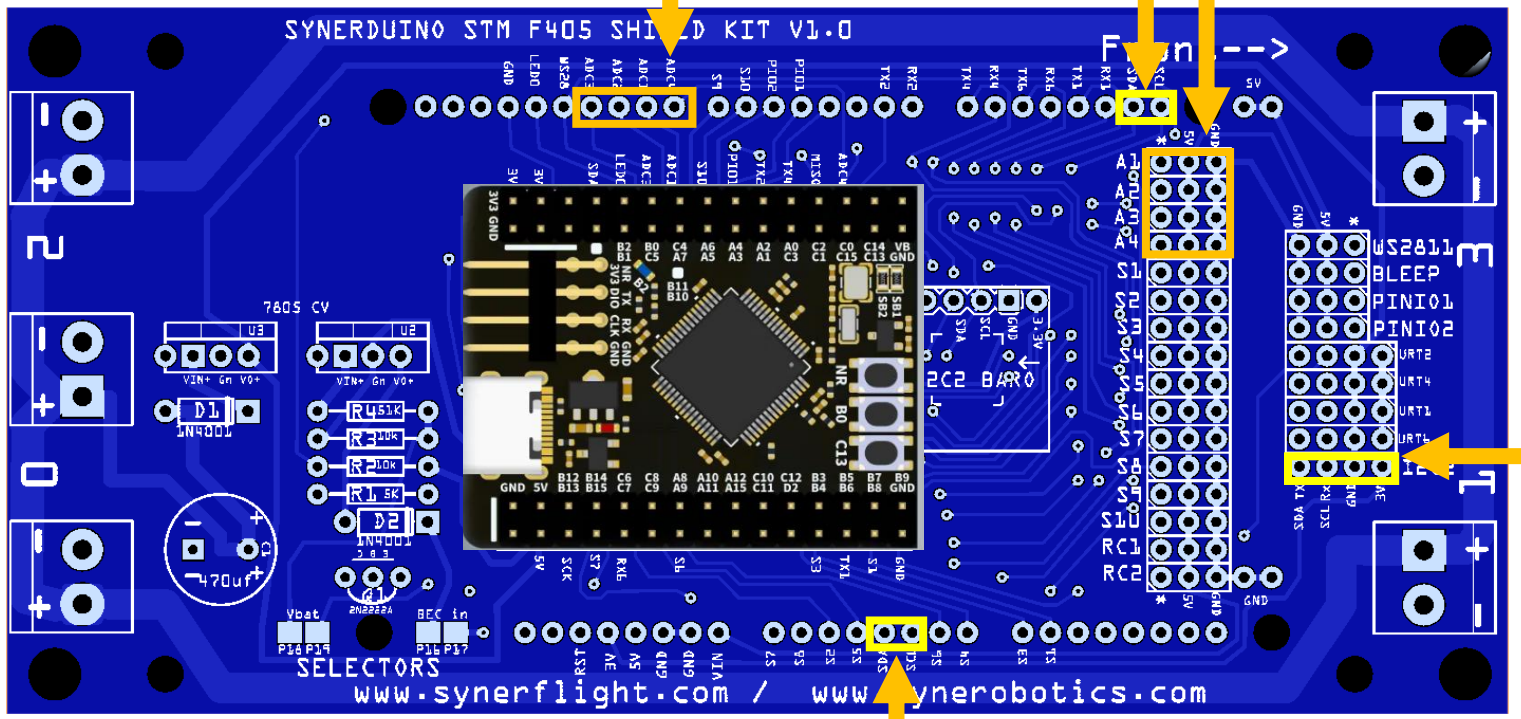
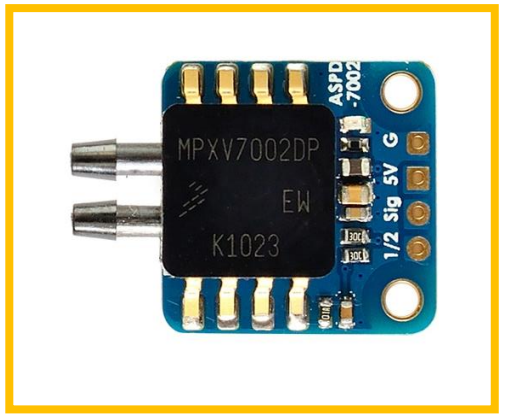
I2C Pins

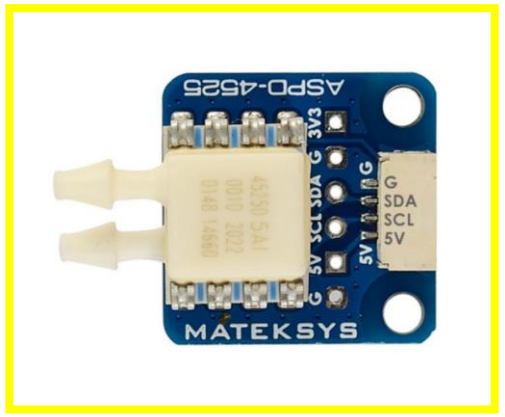


I2C Pins

I2C Pins

SYNERDUINO STM H743 SHIELD

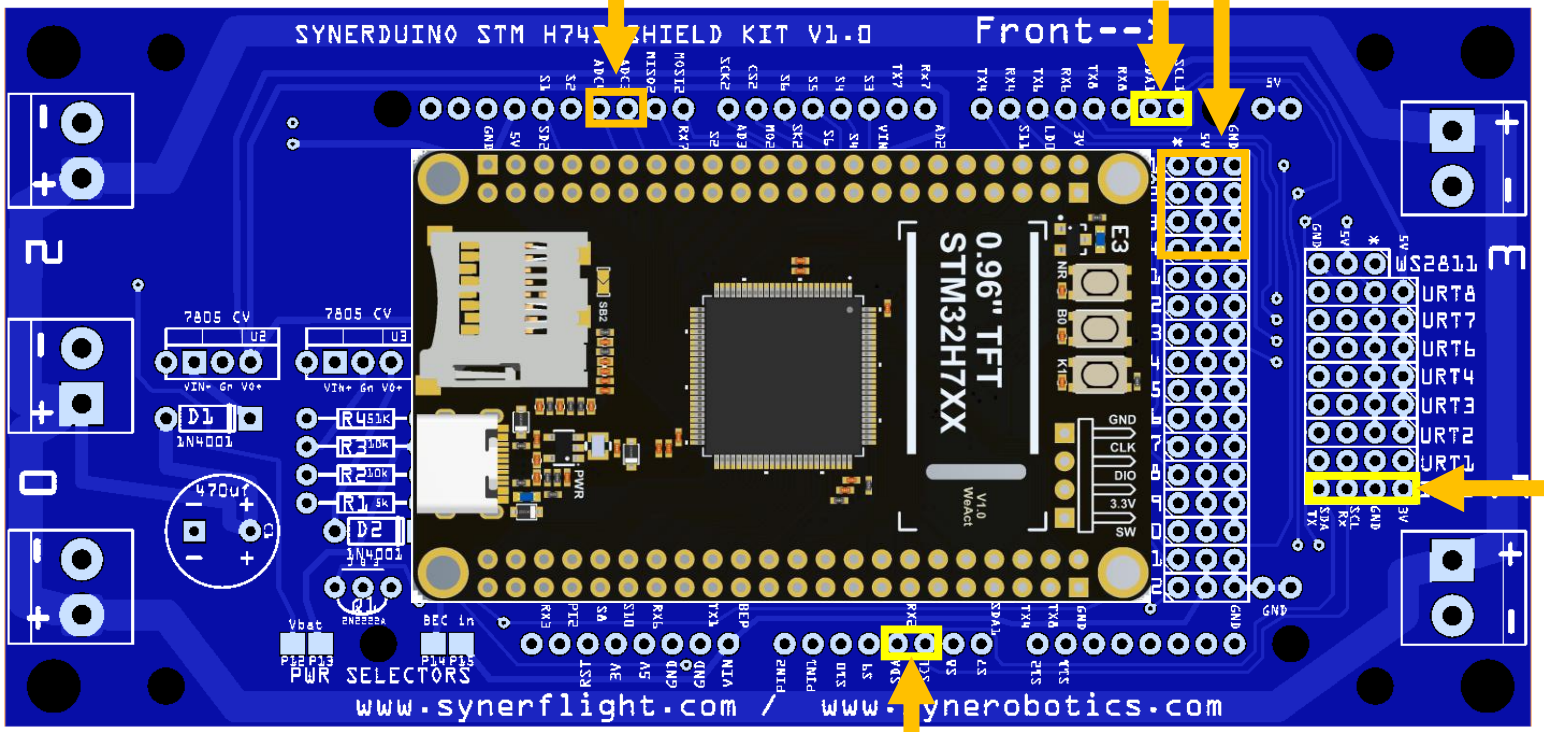




ADC Pins Airspeed on ADC4

ADC Pins Airspeed on ADC4

I2C Pins



I2C Pins

I2C Pins

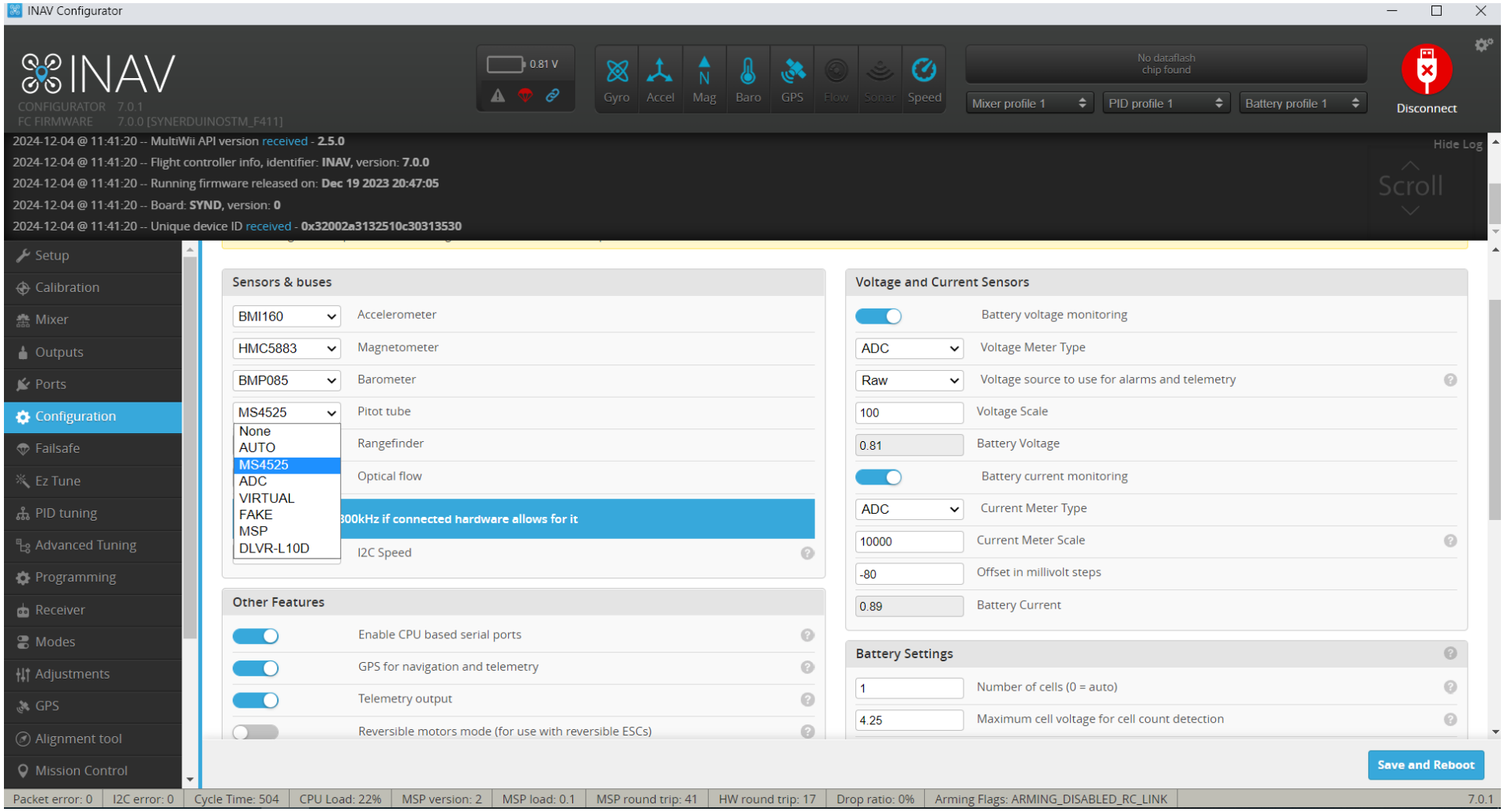
INAV CONFIGURATION

DIGITAL AIRSPEED SENSOR

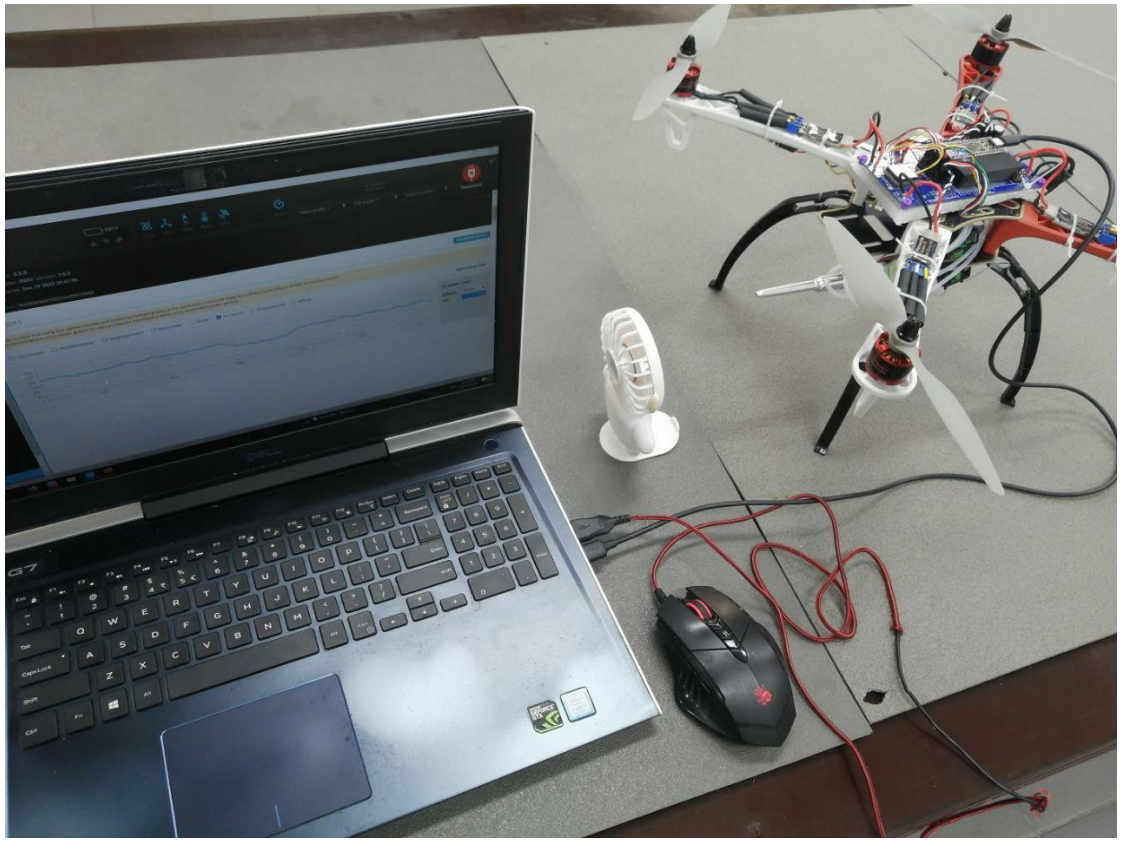
- MS4525
- DLVR L10D

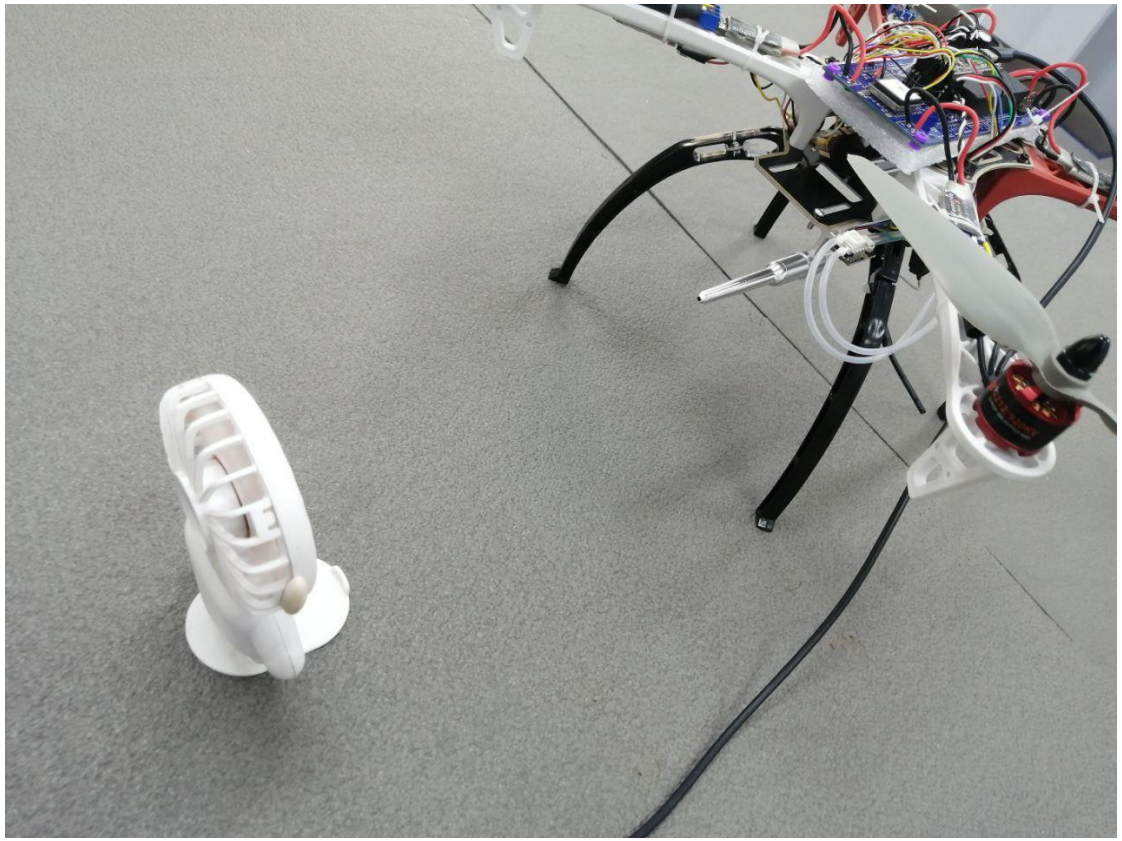
ANALOG AIRSPEED SENSOR

- ADC



SYNERDUINO TESTING

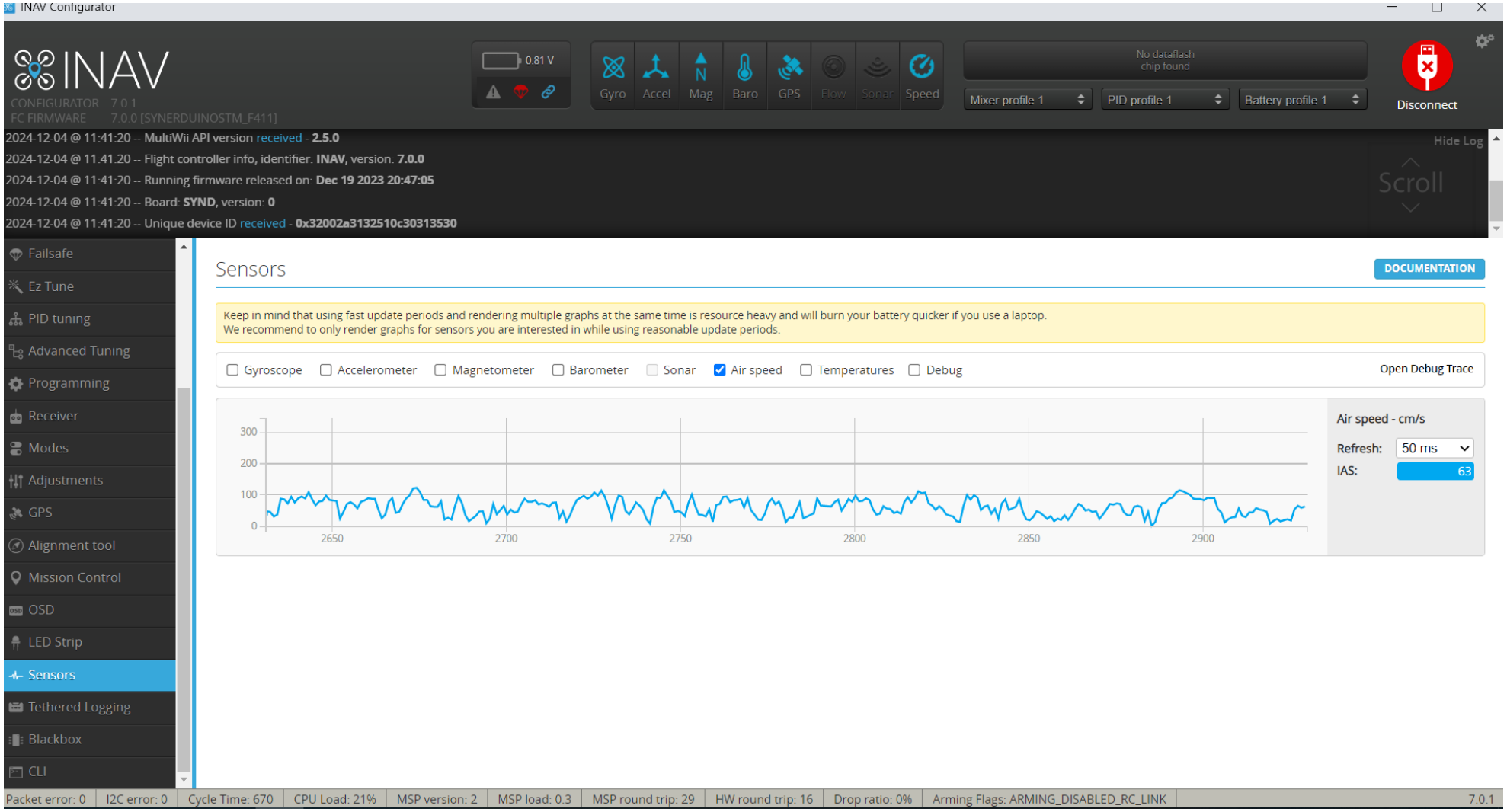




SYNERDUINO TESTING

Check AirSpeed to identify if the sensor is receiving data and working correctly

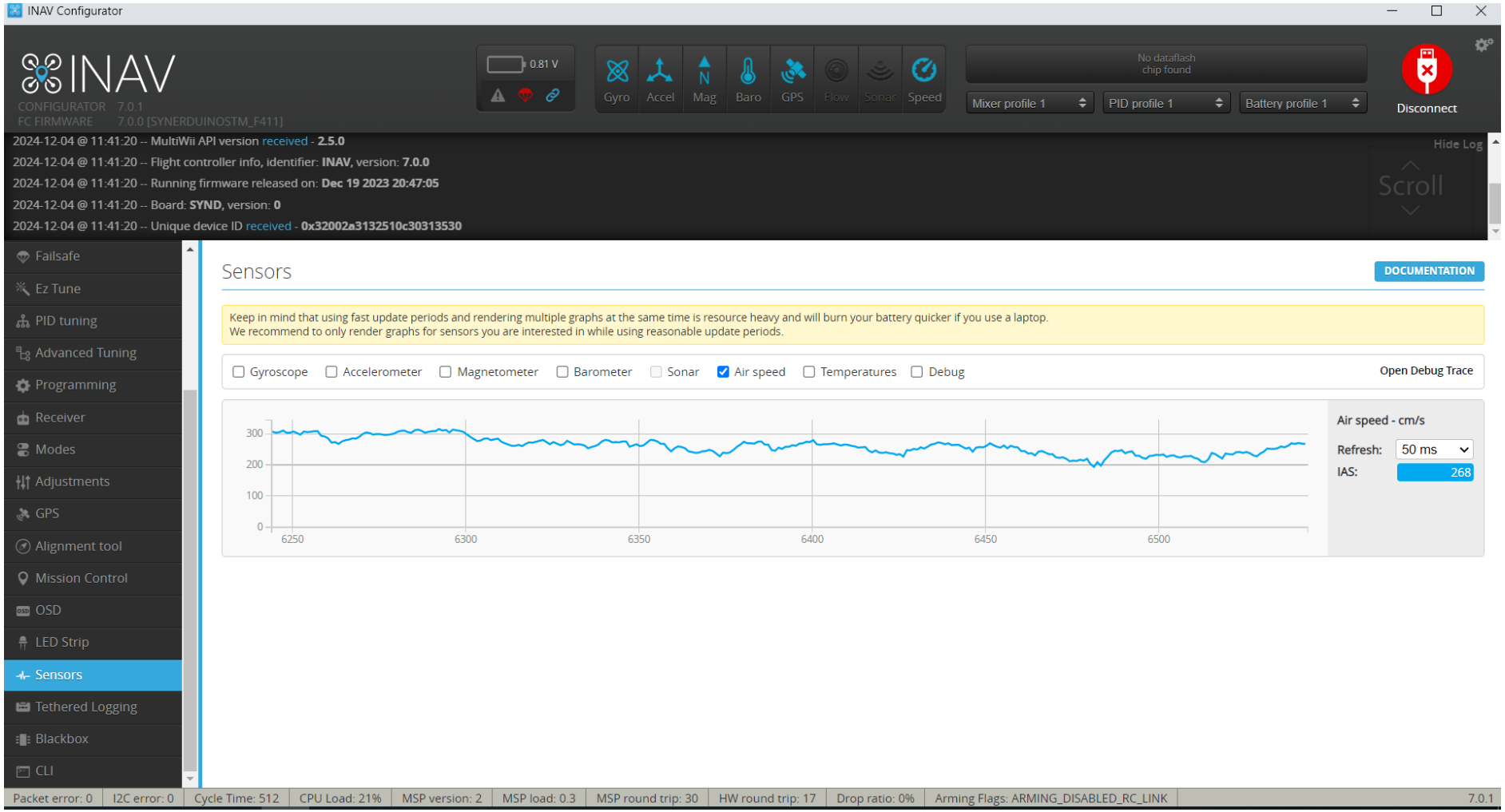
Airspeed as default



SYNERDUINO TESTING

Check AirSpeed to identify if the sensor is receiving data and working correctly

Airspeed as influence by a electric fan



PROGRAMMING

Programing is Operand

Flight > Airspeed cm/s

This would indicate the Airspeed