AiM Infotech

Pressure sensor
0-10 bar/0-145 PSI
Race Studio 3 configuration

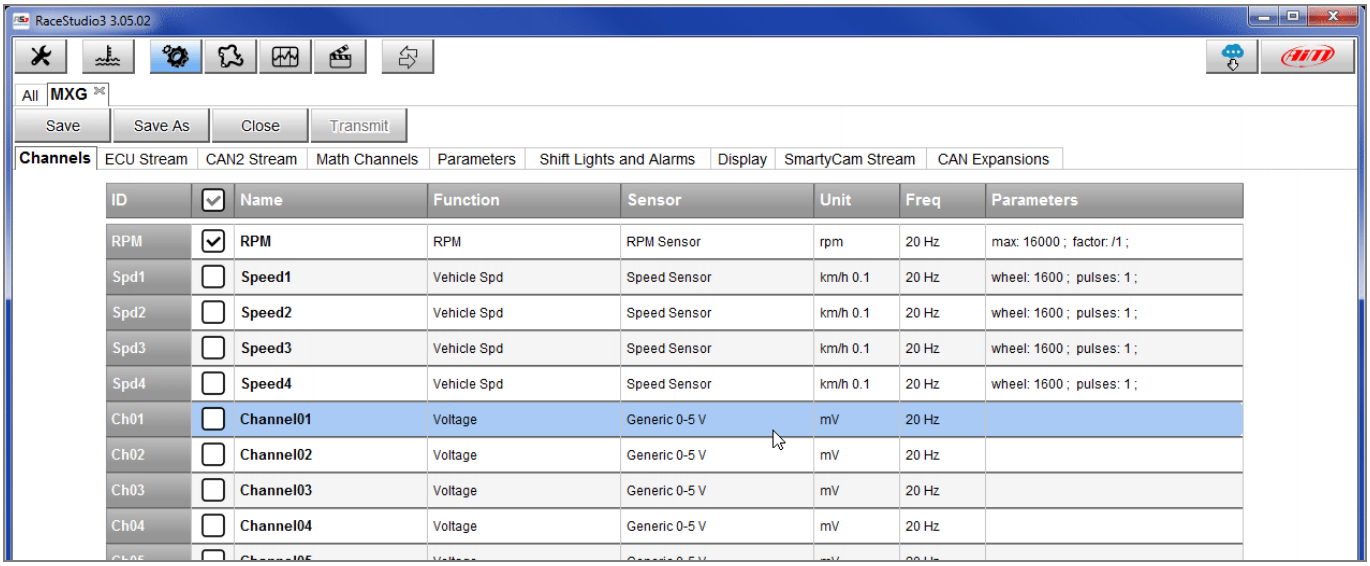
Release 1.00

1 Introduction

Once pressure sensor 1-10 bar is physically connected to one of the channels of AiM device it has to be loaded in the related configuration using AiM configuration software. In this datasheet it is loaded using **Race Studio 3** software.

2 Setup with Race Studio 3

- with the device switched on and connected to the PC run the software and select the device the sensor is connected to;
- select the configuration the sensor is to be loaded on or create a new one pressing “New” and select “Channels” layer as here below;
- select the channel where to set the sensor (in the example below channel01) and click on the related cell of "Sensor" column;



ID		Name	Function	Sensor	Unit	Freq	Parameters
RPM	☑	RPM	RPM	RPM Sensor	rpm	20 Hz	max: 16000 ; factor: /1 ;
Spd1	☐	Speed1	Vehicle Spd	Speed Sensor	km/h 0.1	20 Hz	wheel: 1600 ; pulses: 1 ;
Spd2	☐	Speed2	Vehicle Spd	Speed Sensor	km/h 0.1	20 Hz	wheel: 1600 ; pulses: 1 ;
Spd3	☐	Speed3	Vehicle Spd	Speed Sensor	km/h 0.1	20 Hz	wheel: 1600 ; pulses: 1 ;
Spd4	☐	Speed4	Vehicle Spd	Speed Sensor	km/h 0.1	20 Hz	wheel: 1600 ; pulses: 1 ;
Ch01	☐	Channel01	Voltage	Generic 0-5 V	mV	20 Hz	
Ch02	☐	Channel02	Voltage	Generic 0-5 V	mV	20 Hz	
Ch03	☐	Channel03	Voltage	Generic 0-5 V	mV	20 Hz	
Ch04	☐	Channel04	Voltage	Generic 0-5 V	mV	20 Hz	

- a configuration panel shows up
- select: "Pressure" function as well as the kind of pressure to sample (**1**) among:
    - Oil pressure
    - Brake Pressure
    - Wheel Brake Pressure
    - Pressure (generic pressure – as in the example)
- select the sensor "AiM 0-10 bar (X05SNP31010R)" (**2**)
- press "Save" (**3**)
- press "Transmit" (**4**)