AiM InfoTech

AiM pressure sensor 0-50 PSI absolute Race Studio 3 configuration

Release 1.00

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Introduction

Once AiM pressure sensor 0-50 PSI absolute is physically connected to one of the device channels, 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)

RaceStud	io3 3.29.13										
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All MXS	1.2 [™] MXS [™]										
Save	Save As	Close	Transmit								
Channel	ECU Stream CA	AN2 Stream	CAN Expansions	Math Channel	ls S	tatus Variables Parameter	Shift Lights and Alarms	Trigger Commands Ic	ons Manager	Display S	martyCam Stream CAN Output
				ID		Name	Function	Sensor	Unit	Freq	Parameters
				RPM	•	RPM	Engine 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	



- a configuration panel shows up
- select: "Pressure" function as well as the kind of pressure to sample among:
 - Oil pressure
 - o Brake Pressure
 - Wheel Brake Pressure
 - Pressure (generic pressure as in the example)
 - select the sensor "AiM 0-50 PSI abs (X05PSA00050P18A)"
- press "Save"

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• press "Transmit"

