AiM Infotech

AiM pressure sensor 0-160 bar Race Studio 3 configuration

Release 1.01







1 Introduction

Once pressure sensor 0-160 bar 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)

RaceStudio3 3.29.13							
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All MXS 1.2 ^{sc} MXS ^{sc}							
Save Save As Close Transmit							
Channels ECU Stream CAN2 Stream CAN Exp	ansions Math Chann	els Status Variables Pa	rameters Shift Lights and Alarms	Trigger Commands Ico	ns Manager	Display S	SmartyCam 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	
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- a configuration panel shows up
- select: "Pressure" function as well as the kind of pressure to sample among:
 - o Oil Pressure
 - o Brake Pressure
 - Wheel Brake Pressure
 - Fuel Pressure
 - Pressure (generic pressure as in the example)
- select the sensor "AiM 0-160 bar (X05PSA00160B10)"
- select the channel sampling frequency, unit of measurement and number of decimal places
- press "Save"
- press "Transmit"

