AiM Infotech

VDO pressure sensor 0-5 bar (0-72 PSI) 0-10 bar (0-145 PSI) Race Studio 2 Configuration

Release1.00







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Introduction

Once VDO pressure sensor 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 2 software.

2 Setup with Race Studio 2

with the device switched on and connected to the PC run Race Studio 2 and select the logger the • sensor is connected to; select the configuration where to load the sensor on or create a new one pressing "New"

ceStudio 2.55.32												
Device Configuration Download Da	ita Import SmartyC	am Data Analysis	Device Info	Online Devi	e Calibratio	n Customiz	e Sensor – Langua	ige ?				
	System manage	er										
Racing Data Power		ansmit	R R	leceive	%	CAN-Net info	,	SmartyCam Functi setting	ions 🚺 🚳 s	et acquis	ition system tim	e
AIM Sportline	Current configuration	1										
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enter "Channels" layer shown here below; •

X

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- select "Pressure VDO 0-10 bar (or 0-5 bar)"sensor in "sensor type" column of the desired channel (in the example channel 01) shown here below
- press "Transmit

📓 RaceStudio 2.55.32											
File Device Configuration Download Data Import SmartyCam Data Analysis Device Info Online Device Calibration Customize Sensor Language ?											
System manager											
Racing Data Power	Transmit Receive CAN-Net info SmartyCam Functions Setting Set acquisition system time										
AIM Sportline	Current configuration						1				
The world ceader in Data Acquisition	Installation name D	ata logger type Ecu	Lap Timer Ve	hicle name	Available time	Time with GPS	Total frequency	Master frequer	Expansions freque	Tot. Expansions	
	DEFAULI	VO4 - 5 channels Nor	ne - None Optical DE	FAULI	19.10.22 (h.m.s)	8.15.21 (h.m.s)	121 (Hz)	121 (Hz)	0 (Hz)	0	
A <u>n</u> alysis	Select configuration Channels System configuration Display CAN-Expansions configurator Speed1 Speed2										
	Wheel circumference	te (mm) 1666	Wheel circumference (mr	m) 1666	1						
Download Data											
	Pulses per wheel re	volution 1	Pulses per wheel revolution	1							
Import SmartyCam	Channel identifier	Enabled/disabled	d Channel name	Samplin	g frequency	Sensor type		Measure u	nit Low scale	High scale	
Inicrosp Data	RPM	Enabled	Engine	10 Hz	•	Engine revolution	speed	rpm	0	20000	
	SPD_1	Enabled	Speed1	10 Hz	•	Speed		▪ km/h .1	.00	250.0	
Device Configuration	SPD_2	Enabled	Speed2	10 Hz	•	Speed		▪ km/h .1	.00	250.0	
	СН_1	Enabled	Channel_1	10 Hz	•	Generic linear 0-5	i V	▼ V .1	 0.0	5.0	
	CH_2	Enabled	Channel_2	10 Hz	•	Thermocouple		V .1	 0.0	5.0	
Device Info	CH_3	Enabled	Channel_3	10 Hz	•	Thermoresistance	e PT100	V .1	.00 ⊥	5.0	
-	CH_4	Enabled	Channel_4	10 Hz	-	Temperature VDC	0 40-120 °C	V .1	- 0.0	5.0	
	CH_5	Enabled	Channel_5	10 Hz	•	Temperature VDC	0 60-200 °C	#	0	5	
Donline Online	CALC_GEAR	Disabled	Calculated_Gear	10 Hz	-	Water temp. (CLI Water temp. (SU)	IO) ZUKI SUPERSPOR	#	0	9	
	ACC_1	Enabled	Lateral_acc	10 Hz	*	Pressure VDO 0-2	bar	≡ g .01	-3.00	3.00	
	ACC_2	Enabled	Longitudinal_acc	10 Hz		Pressure VDO 0-5	0 bar N	g .01	-3.00	3.00	
Device Calibration	ACC_3	Enabled	Vertical_acc	10 Hz	1	AIRBOX pressure	sensor X05SNA	g .01	-3.00	3.00	
	LOG_TMP	Enabled	Datalogger_Temp	10 Hz	•	AIRBOX pressure Distance potentic	sensor - X05SNA meter	°C	_ 0	50	
	BATT	Enabled	Battery	1 Hz	•	Zero based poten	tiometer	V .1	5.0	15.0	
Customize <u>S</u> ensor						Mid zero potentio Lambda sensor B Lambda sensor N Water pitot speed	ometer OSCH IGK TL7111W1 - M I sensor				
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CERNUSCO SUL NAVIGLIO, MILAN - ITALY											