



DM-100/200 Sensor Table Datasheet

DM-100/200 Sensor Table Datasheet (V1.0) Nov 7, 2007

Introduction

This datasheet summarizes the total number of available sensors and units of measurements supported in the iMFD sensor chain.

Sensor Table

Sensor	Units	Low Range	High Range	Custom Gauge Frame 0	Custom Gauge Frame 99
Wideband AFR	0 - Lambda	0.68	1.36	0.6	1.4
	*1 - Gasoline (14.7)	10	20	10	18
	2 - Diesel (14.6)	9.93	19.86	10	18
	3 - Methanol (6.4)	4.35	8.7	4	8
	4 - Ethanol (9.0)	6.12	12.24	6	10
	5 - LPG (15.5)	10.54	21.08	10	18
	6 - CNG (17.2)	11.7	23.39	6	14
Exhaust Gas Temp	*0 - Celsius	0	1023	200	1000
	1 - Fahrenheit	32	1873	32	1500
FluidTemp	*0 - Celsius Water	0	150	0	160
	1 - Fahrenheit Water	32	302	32	320
	2 - Celsius Oil	0	150	0	160
	3 - Fahrenheit Oil	32	302	32	320
Vac	*0 - Vac in/Hg	29.93	0	30	0
	1 - Vac mm/Hg	760	0	760	0
Boost	*2 - Boost 0-30 PSI	0	30	0	30
	3 - Boost 0-2 kg/cm ²	0	2.07	0	2
	4 - Boost 0-16 PSI	0	16	0	16
	5 - Boost 0-1 kg/cm ²	0	1.12	0	1
	6 - Boost 0 - 60 PSI	0	60	0	60
	7 - Boost 0-4 kg/cm ²	0	4.22	0	4
	AIT	*0 - Celsius Water	0	150	0
1 - Fahrenheit Water		32	302	32	320
RPM	*0 - 8k	0	8000	0	8000

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	1 - 12k	0	12000	0	12000
	2 - 20k	0	20000	0	20000
Speed	*0 - MPH	0	160	0	160
	1 - kmH	0	258	0	260
Throttle Position	*0 - Percent	0	100	0	100
Engine Load	*0 - Percent	0	100	0	100
Fuel Pressure	*0 - PSI Fuel	0	120	0	120
	1 - kg/cm ² Fuel	0	8.44	0	8
	2 - Bar Fuel	0	8.27	0	8.3
	3 - PSI Oil	0	120	0	120
	4 - kg/cm ² Oil	0	8.44	0	8
	5 - Bar Oil	0	8.27	0	8.3
Timing	*0 - Degree	-64	64	-64	64
MAP	*0 - kPa	0	255	0	260
	1 - inHg	0	75.3	0	75
MAF	*0 - g/s	0	655.35	0	650
	1 - lb/min	0	86.69	0	87
Short Term Fuel Trim	*0 - Percent	-100	100	-100	100
Long Term Fuel Trim	*0 - Percent	-100	100	-100	100
NB O2 Sensor	*0 - Percent	0	100	0	100
	1 - Volts	0	1.275	0	1.2
Fuel Level	*0 - Percent	0	100	0	100
Volt Meter	*0 - Volts	0	20	0	20

Revision History

Version 1.0 (11/7/07)	Initial release. Support for DM-100/200 Utility V2.1
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