

Plain ASCII Digital Interface

ASCII Interface

conditions of power supply.

Sensor is thus immune to failure under automobile

	Command from Vehical Tracker	To Sensor							Response from Sensor											Reply Meaning	
ורבעהו		Command	Header	Command Word	Sensor ID	Number	Check Sum		Header	Renlv	Word	Sensor ID	Number		Rep	oly I	Resu	lt	Check	Sum	
PIT	Read Oil Level Percentage (0.0% min 100.0% max)	\$!	DO	0	1	39		*	R	Fν	0	1	0	0	0	. (91	9	8	Oil level is 00.01% (Decimal)
T ^d	Read Oil Level ADC Value (scalled to 16 bits)	\$!	RΥ	0	1	51		*	С	Fν	0	1	0	0	F	A 3	32	в	6	ADC Value is FA32 (Hexadecimal)
	Set Existing Level as 0% (Empty) Level	\$	ļ	DΖ	0	1	4 4		*	S	сz	0	1	0	0	0	0 0	92	9	D	0% is set at 0002 Hex ADC Value
>	Set Existing Level as 100% (Full) Level	\$!	DS	0	1	3 D		*	S	c s	0	1	0	0	3	FF	F	Е	0	100% is set at 3FFF Hex ADC Value
	Modify Oil Sensor ID Number	\$	ļ	ΙD	0	2	34		*	S	IC	0	2	0	К	0	к	к	3	А	New ID number is accepted
aute									*	S	ΙC	0	1	Ν	0	N	0 1	0 1	3	9	ID Changing is not allowed
nul	Modify Sensor Damping Factor for Turbulant Level	\$!	Z 4	• •	1	34		*	S	ΖN	0	1	0	K	0	к	эκ	5	4	Damping factor of 4 is accepted
2									*	S	ΖN	0	1	Ν	0	N	0 1	0 1	5	D	Damping factor setting is rejected
	Read Sensor Electronics Temperature	\$	ļ	RΤ	•	1	4 C		*	R	тν	0	1	+	0	3	0	. 2	A	5	Temperature is +30.2 °C
									*	R	тν	0	1	-	0	3	0	. 2	A	7	Temperature is -30.2 °C
Ę,									*	R	тν	0	1	F	F	F	F.	F	1	з	Temperature sensing is not available

Checksum is ASCII representation of last two hex digits of the sum of all hex values in the command or reply.

for example: hexadecimal of ASCII command '\$! D O 0 1 3 9' is '24 21 44 4F 30 31 33 39' where last ASCII '3 9' is the checksum obtained as

sum '\$! D O 0 1': 24 + 21 + 44 + 4F + 30 + 31 = 139 (Hex) which is '1 3 9' in ASCII. From this checksum only last two '3 9' are taken as checksum and '1' is discarded.

Various other commands other than those mentioned above are available. Many more custom commands can be formed as long as command & reply formats are kept unchanged.

Format changing is acceptable under special circumstances. Please talk to our sales representative for the same.