

Floating length set of data types (Data Type 7)

Revision 4

Edition 1

Revision3 is full compatible with revision 2 and revision 1 floating length set of data.

Field description	Data type	Data presentation																														
LEN	U8	X																														
Data type	U4	7																														
TIME	U28																															
Mask1	U16	Bit	Name of data or dataset	Size of dataset	sensor names																											
		0	Coord. group1	17	<table border="1" style="width: 100%; border-collapse: collapse; margin-left: 20px;"> <thead> <tr> <th style="width: 30%;">sensor name</th> <th style="width: 20%;">Byte offset</th> <th style="width: 50%;">size of byte</th> </tr> </thead> <tbody> <tr> <td>Longitude</td> <td style="text-align: center;">+0</td> <td style="text-align: center;">4</td> </tr> <tr> <td>Latitude</td> <td style="text-align: center;">+4</td> <td style="text-align: center;">4</td> </tr> <tr> <td>Speed</td> <td style="text-align: center;">+8</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Satelites</td> <td style="text-align: center;">+9</td> <td style="text-align: center;">b[0,1,2,3]</td> </tr> <tr> <td>Hdop</td> <td style="text-align: center;">+9</td> <td style="text-align: center;">b[4,5,6,7]</td> </tr> <tr> <td>Course</td> <td style="text-align: center;">+10</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Altitude</td> <td style="text-align: center;">+12</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Odometer</td> <td style="text-align: center;">+14</td> <td style="text-align: center;">4</td> </tr> </tbody> </table>	sensor name	Byte offset	size of byte	Longitude	+0	4	Latitude	+4	4	Speed	+8	1	Satelites	+9	b[0,1,2,3]	Hdop	+9	b[4,5,6,7]	Course	+10	1	Altitude	+12	2	Odometer	+14	4
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2	ADC1	2	adc1																													
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		12	J1939 Ambient Air Temperature	2	j1939_air_temp																							
		13	J1939 Driver Id	8	j1939_driver_id																							
		14	J1939 Fuel Rate	2	j1939_fuel_rate																							
		15	Mask3 present	bit	bit																							
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		Bit	Name of data or dataset	Size of dataset	sensor names																							
		0	J1939 Instantaneous Fuel Economy	2	j1939_flfmsec0																							
		1	J1939 High Resolution Fuel Consumption	4	j1939_fl_con																							
		2	J1939 Axle weight	3	j1939_axle_wgt (need special parsing)																							
		3	J1939 MIL Status	1	j1939_mil_stat																							
		4	J1939	20	j1939_dtc1,...j1939_dtc10																							

	DTC1-10 [20bytes]																																																					
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7	1-Wire Temp	2	dallas_temp																																																			
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