

FM6300 Teltonika Data Sending Parameters ID

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Permanent I/O elements

Property ID in AVL packet	Property Name	Bytes	Type	Value range		Multiplier	Units	Description	HW Support	Parameter Group
				Min	Max					
239	Ignition	1	Unsigned	0	1	-	-	0 - Ignition Off 1 - Ignition On	FM630, FM6300	Permanent I/O elements
240	Movement	1	Unsigned	0	1	-	-	0 - Movement Off 1 - Movement On	FM630, FM6300	Permanent I/O elements
22	Data Mode	1	Unsigned	0	5	-	-	0 - Home On Stop 1 - Home On Moving 2 - Roaming On Stop 3 - Roaming On Moving 4 - Unknown On Stop 5 - Unknown On Moving	FM630, FM6300	Permanent I/O elements
21	GSM Signal	1	Unsigned	0	5	-	-	Value in range 1-5	FM630, FM6300	Permanent I/O elements
200	Sleep Mode	1	Unsigned	0	1	-	-	Normal mode Deep Sleep	FM630, FM6300	Permanent I/O elements
71	GNSS Status	1	Unsigned	0	5	-	-	0 - GNSS OFF 1 - GNSS ON, no GPS antenna 2 - GNSS ON, without fix 3 - GNSS ON, with fix 4 - GNSS SLEEP 5 - GNSS Overcurrent/protect state	FM630, FM6300	Permanent I/O elements
181	GNSS PDOP	2	Unsigned	0	500	-	-	Probability	FM630, FM6300	Permanent I/O elements
182	GNSS HDOP	2	Unsigned	0	500	-	-	Probability	FM630, FM6300	Permanent I/O elements
66	External Voltage	2	Unsigned	0	30000	0,001	mV	Voltage, mV	FM630, FM6300	Permanent I/O elements
24	Speed	2	Unsigned	0	350	-	km/h	Value, km/h	FM630, FM6300	Permanent I/O elements
205	GSM Cell ID	4	Unsigned	0	4294967295	-	-	GSM base station ID	FM630, FM6300	Permanent I/O elements
206	GSM Area Code	2	Unsigned	0	65535	-	-	Location Area code (LAC), it depends on GSM operator. It provides unique number which assigned to a set of base GSM stations.	FM630, FM6300	Permanent I/O elements
67	Battery Voltage	2	Unsigned	0	30000	0,001	mV	Voltage, mV	FM630, FM6300	Permanent I/O elements
68	Battery Current	2	Unsigned	0	2400	-	mA	Current, mA	FM630, FM6300	Permanent I/O elements
241	Active GSM Operator	4	Unsigned	0	4294967295	-	-	Currently used GSM Operator code	FM630, FM6300	Permanent I/O elements
199	Trip Odometer	4	Unsigned	0	4294967295	-	m	Trip Odometer value in meters	FM630, FM6300	Permanent I/O elements
216	Total Odometer	4	Unsigned	0	4294967295	-	m	Total Odometer value in meters	FM630, FM6300	Permanent I/O elements
1	Digital Input 1	1	Unsigned	0	1	-	-	Logic: 0/1	FM630, FM6300	Permanent I/O elements
9	Analog Input 1	2	Unsigned	0	30000	0,001	V	Voltage, V	FM630, FM6300	Permanent I/O elements
179	Digital Output 1	1	Unsigned	0	1	-	-	Logic: 0/1	FM630, FM6300	Permanent I/O elements
236	Axis X	2	Signed	-8000	8000	-	mG	X axis value, mG	FM630, FM6300	Permanent I/O elements
237	Axis Y	2	Signed	-8000	8000	-	mG	Y axis value, mG	FM630, FM6300	Permanent I/O elements
238	Axis Z	2	Signed	-8000	8000	-	mG	Z axis value, mG	FM630, FM6300	Permanent I/O elements
219	CCID Part1	8	Unsigned	0	0xffffffffffff	-	-	Value of SIM ICCID	FM630, FM6300	Permanent I/O elements
220	CCID Part2	8	Unsigned	0	0xffffffffffff	-	-	Value of SIM ICCID	FM630, FM6300	Permanent I/O elements
221	CCID Part3	8	Unsigned	0	0xffffffffffff	-	-	Value of SIM ICCID	FM630, FM6300	Permanent I/O elements
144	SD Status	1	Unsigned	0	1	-	-	Logic: 0 - not present, 1 - present	FM630, FM6300	Permanent I/O elements
2	Digital Input 2	1	Unsigned	0	1	-	-	Logic: 0/1	FM630, FM6300	Permanent I/O elements
3	Digital Input 3	1	Unsigned	0	1	-	-	Logic: 0/1	FM630, FM6300	Permanent I/O elements
10	Analog Input 2	2	Unsigned	0	30000	0,001	V	Voltage, V	FM630, FM6300	Permanent I/O elements
180	Digital Output 2	1	Unsigned	0	1	-	-	Logic: 0/1	FM630, FM6300	Permanent I/O elements
72	Dallas Temperature 1	2	Signed	-550	1150	0,1	°C	Degrees (°C), -55 - +115, if 3000 - Dallas error	FM630, FM6300	Permanent I/O elements
73	Dallas Temperature 2	2	Signed	-550	1150	0,1	°C	Degrees (°C), -55 - +115, if 3000 - Dallas error	FM630, FM6300	Permanent I/O elements

74	Dallas Temperature 3	2	Signed	-550	1150	0,1	°C	Degrees (°C), -55 - +115, if 3000 - Dallas error	FMB630, FM6300	Permanent I/O elements
75	Dallas Temperature 4	2	Signed	-550	1150	0,1	°C	Degrees (°C), -55 - +115, if 3000 - Dallas error	FMB630, FM6300	Permanent I/O elements
62	Dallas Temperature ID 1	8	Unsigned	0	0xffffffffffff	-	-	Dallas sensor ID	FMB630, FM6300	Permanent I/O elements
63	Dallas Temperature ID 2	8	Unsigned	0	0xffffffffffff	-	-	Dallas sensor ID	FMB630, FM6300	Permanent I/O elements
64	Dallas Temperature ID 3	8	Unsigned	0	0xffffffffffff	-	-	Dallas sensor ID	FMB630, FM6300	Permanent I/O elements
65	Dallas Temperature ID 4	8	Unsigned	0	0xffffffffffff	-	-	Dallas sensor ID	FMB630, FM6300	Permanent I/O elements
78	iButton	8	Unsigned	0	0xffffffffffff	-	-	iButton ID	FMB630, FM6300	Permanent I/O elements
207	RFID	8	Unsigned	0	0xffffffffffff	-	-	RFID ID	FMB630, FM6300	Permanent I/O elements
201	LLS 1 Fuel Level	2	Signed	-4	32767	-	kvants or ltr	Fuel level measured by LLS sensor via RS232 in kvants or liters	FMB630, FM6300	Permanent I/O elements
202	LLS 1 Temperature	1	Signed	-128	127	-	°C	Fuel temperature measured by LLS via RS232 in degrees Celsius	FMB630, FM6300	Permanent I/O elements
203	LLS 2 Fuel Level	2	Signed	-4	32767	-	kvants or ltr	Fuel level measured by LLS sensor via RS232 in kvants or liters	FMB630, FM6300	Permanent I/O elements
204	LLS 2 Temperature	1	Signed	-128	127	-	°C	Fuel temperature measured by LLS via RS232 in degrees Celsius	FMB630, FM6300	Permanent I/O elements
210	LLS 3 Fuel Level	2	Signed	-4	32767	-	kvants or ltr	Fuel level measured by LLS sensor via RS232 in kvants or liters	FMB630, FM6300	Permanent I/O elements
211	LLS 3 Temperature	1	Signed	-128	127	-	°C	Fuel temperature measured by LLS via RS232 in degrees Celsius	FMB630, FM6300	Permanent I/O elements
212	LLS 4 Fuel Level	2	Signed	-4	32767	-	kvants or ltr	Fuel level measured by LLS sensor via RS232 in kvants or liters	FMB630, FM6300	Permanent I/O elements
213	LLS 4 Temperature	1	Signed	-128	127	-	°C	Fuel temperature measured by LLS via RS232 in degrees Celsius	FMB630, FM6300	Permanent I/O elements
214	LLS 5 Fuel Level	2	Signed	-4	32767	-	kvants or ltr	Fuel level measured by LLS sensor via RS232 in kvants or liters	FMB630, FM6300	Permanent I/O elements
215	LLS 5 Temperature	1	Signed	-128	127	-	°C	Fuel temperature measured by LLS via RS232 in degrees Celsius	FMB630, FM6300	Permanent I/O elements
178	Network Type	1	Unsigned	0	1	-	-	0 - 3G 1 - 2G	FMB630, FM6300	Permanent I/O elements
4	Digital Input 4	1	Unsigned	0	1	-	-	Logic: 0/1	FMB630, FM6300	Permanent I/O elements
50	Digital Output 3	1	Unsigned	0	1	-	-	Logic: 0/1	FMB630, FM6300	Permanent I/O elements
51	Digital Output 4	1	Unsigned	0	1	-	-	Logic: 0/1	FMB630, FM6300	Permanent I/O elements
11	Analog Input 3	2	Unsigned	0	30000	0,001	V	Voltage, V	FMB630, FM6300	Permanent I/O elements
245	Analog Input 4	2	Unsigned	0	30000	0,001	V	Voltage, V	FMB630, FM6300	Permanent I/O elements
70	PCB Temperature	2	Signed	-550	1150	0,1	°C	Degrees (°C)	FMB630, FM6300	Permanent I/O elements
5	Dallas Temperature ID 5	8	Unsigned	0	0xffffffffffff	-	-	Dallas sensor ID	FMB630, FM6300	Permanent I/O elements
6	Dallas Temperature 5	2	Signed	-550	1150	0,1	°C	Degrees (°C), -55 - +115, if 3000 - Dallas error	FMB630, FM6300	Permanent I/O elements
7	Dallas Temperature ID 5	8	Unsigned	0	0xffffffffffff	-	-	Dallas sensor ID	FMB630, FM6300	Permanent I/O elements
8	Dallas Temperature 5	2	Signed	-550	1150	0,1	°C	Degrees (°C), -55 - +115, if 3000 - Dallas error	FMB630, FM6300	Permanent I/O elements
76	Fuel Counter	4	Unsigned	0	4294967295	-	-	Difference of generated impulses on two signal lines	FMB630, FM6300	Permanent I/O elements
217	RFID COM2	8	Unsigned	0	0xffffffffffff	-	-	RFID ID on COM2	FMB630, FM6300	Permanent I/O elements
218	IMSI	8	Unsigned	0	0xffffffffffff	-	-	International mobile subscriber identity	FMB630, FM6300	Permanent I/O elements
224	Ultrasonic Fuel Level 1	2	Signed	-15	32767	0,1	mm		FMB630, FM6300	Permanent I/O elements
225	Ultrasonic Fuel Level 2	2	Signed	-15	32767	0,1	mm		FMB630, FM6300	Permanent I/O elements
208	Ultrasonic Software Status 1	1	Unsigned	0	255	-	-		FMB630, FM6300	Permanent I/O elements
209	Ultrasonic Software Status 2	1	Unsigned	0	255	-	-		FMB630, FM6300	Permanent I/O elements
390	External Sensor Temperature 0	2	Signed	-32768	32767	-	°C	Degrees, °C	FMB630, FM6300	Permanent I/O elements
391	External Sensor Temperature 1	2	Signed	-32768	32767	-	°C	Degrees, °C	FMB630, FM6300	Permanent I/O elements
392	External Sensor Temperature 2	2	Signed	-32768	32767	-	°C	Degrees, °C	FMB630, FM6300, FM6300	Permanent I/O elements
393	External Sensor Temperature 3	2	Signed	-32768	32767	-	°C	Degrees, °C	FMB630, FM6300, FM6300	Permanent I/O elements
394	External Sensor Temperature 4	2	Signed	-32768	32767	-	°C	Degrees, °C	FMB630, FM6300	Permanent I/O elements
395	External Sensor Temperature 5	2	Signed	-32768	32767	-	°C	Degrees, °C	FMB630, FM6300	Permanent I/O elements

FMS elements

Property ID in AVL packet	Property Name	Bytes	Type	Value range		Multiplier	Units	Description	HW Support	Parameter Group
				Min	Max					
79	Brake Switch	1	Unsigned	0	1	-	-	0 - Pedal released 1 - Pedal pressed	FMB630, FM6300	FMS elements
80	Wheel Based Speed	4	Unsigned	0	65536	-	km/h		FMB630, FM6300	FMS elements
81	Cruise Control Active	1	Unsigned	0	1	-	-	0 - Switched off 1 - Switched on	FMB630, FM6300	FMS elements
82	Clutch Switch	1	Unsigned	0	1	-	-	0 - Pedal released 1 - Pedal pressed	FMB630, FM6300	FMS elements
83	PTO State	1	Unsigned	0	2	-	-	0 - Off/disabled 1 - Set 2 - Not available	FMB630, FM6300	FMS elements
84	Acceleration Pedal Position	4	Unsigned	0	102	-	%		FMB630, FM6300	FMS elements
85	Engine Current Load	1	Unsigned	0	125	-	%		FMB630, FM6300	FMS elements
86	Engine Total Fuel Used	4	Unsigned	0	2105540607	-	l	Value in liters, L	FMB630, FM6300	FMS elements
87	Fuel Level	4	Unsigned	0	102	-	%		FMB630, FM6300	FMS elements
88	Engine Speed	4	Unsigned	0	8032	-	rpm		FMB630, FM6300	FMS elements
89	Axle weight 1	4	Unsigned	0	32766	-	kg		FMB630, FM6300	FMS elements
90	Axle weight 2	4	Unsigned	0	32766	-	kg		FMB630, FM6300	FMS elements
91	Axle weight 3	4	Unsigned	0	32766	-	kg		FMB630, FM6300	FMS elements
92	Axle weight 4	4	Unsigned	0	32766	-	kg		FMB630, FM6300	FMS elements
93	Axle weight 5	4	Unsigned	0	32766	-	kg		FMB630, FM6300	FMS elements
94	Axle weight 6	4	Unsigned	0	32766	-	kg		FMB630, FM6300	FMS elements

95	Axle weight 7	4	Unsigned	0	32766	-	kg		FMB630, FM6300	FMS elements
96	Axle weight 8	4	Unsigned	0	32766	-	kg		FMB630, FM6300	FMS elements
97	Axle weight 9	4	Unsigned	0	32766	-	kg		FMB630, FM6300	FMS elements
98	Axle weight 10	4	Unsigned	0	32766	-	kg		FMB630, FM6300	FMS elements
99	Axle weight 11	4	Unsigned	0	32766	-	kg		FMB630, FM6300	FMS elements
100	Axle weight 12	4	Unsigned	0	32766	-	kg		FMB630, FM6300	FMS elements
101	Axle weight 13	4	Unsigned	0	32766	-	kg		FMB630, FM6300	FMS elements
102	Axle weight 14	4	Unsigned	0	32766	-	kg		FMB630, FM6300	FMS elements
103	Axle weight 15	4	Unsigned	0	32766	-	kg		FMB630, FM6300	FMS elements
104	Engine Total Hours Of Operation	4	Unsigned	0	214748364	-	h		FMB630, FM6300	FMS elements
110	Diagnostics Supported	1	Unsigned	0	3	-	-	0 - Diagnostics is not supported 1 - Diagnostics is supported 2 - Reserved 3 - Do not care	FMB630, FM6300	FMS elements
113	Service Distance	4	Signed	-160635	167040	-	km		FMB630, FM6300	FMS elements
122	Direction Indication	1	Unsigned	0	1	-	-		FMB630, FM6300	FMS elements
123	Tachograph Performance	1	Unsigned	0	1	-	-		FMB630, FM6300	FMS elements
124	Handling Info	1	Unsigned	0	1	-	-		FMB630, FM6300	FMS elements
125	System Event	1	Unsigned	0	1	-	-		FMB630, FM6300	FMS elements
127	Engine Coolant Temperature	1	Signed	-40	210	-	°C		FMB630, FM6300	FMS elements
128	Ambient Air Temperature	2	Signed	-273	1770	-	°C		FMB630, FM6300	FMS elements
135	Fuel Rate	4	Unsigned	0	3212	-	l/h		FMB630, FM6300	FMS elements
136	Instantaneous Fuel Economy	4	Unsigned	0	125	-	km/l		FMB630, FM6300	FMS elements
137	PTO Drive Engagement	1	Unsigned	0	3	-	-	0 - No PTO drive is engaged 1 - At least one PTO drive is engaged 2 - Error 3 - Not available	FMB630, FM6300	FMS elements
138	High Resolution Engine Total Fuel Used	4	Unsigned	0	4211081.2151	-	l or ml	Resolution in l or ml depending on the FMS fuel settings (item id 121)	FMB630, FM6300	FMS elements
139	Combined Weight	4	Unsigned	0	642550	-	kg		FMB630, FM6300	FMS elements

CAN adapters elements

Property ID in AVL packet	Property Name	Bytes	Type	Value range		Multiplier	Units	Description	HW Support	Parameter Group
				Min	Max					
30	Vehicle Speed	1	Unsigned	0	255	-	km/h	Value in km/h	FMB630, FM6300	CAN adapters elements
31	Accelerator Pedal Position	1	Unsigned	0	255	0,1	%	Value in percentages, %	FMB630, FM6300	CAN adapters elements
33	Fuel Consumed	4	Unsigned	0	2147483647	0,1	l	Value in liters, L	FMB630, FM6300	CAN adapters elements
34	Fuel Level Liters	2	Unsigned	0	65535	0,1	l	Value in liters, L	FMB630, FM6300	CAN adapters elements
35	Engine RPM	2	Unsigned	0	16384	-	rpm	Value in rounds per minute, rpm	FMB630, FM6300	CAN adapters elements
36	Total Mileage	4	Unsigned	0	4294967295	-	m	Value in meters, m	FMB630, FM6300	CAN adapters elements
37	Fuel Level Percent	1	Unsigned	0	255	0,1	%	Value in percentages, %	FMB630, FM6300	CAN adapters elements
143	Door Status	2	Unsigned	0	16128	-	-	Min - 0, Max - 16128 Door status is represented as bitmask converted to decimal value. Possible values: 0 - all doors closed, 0x100 (256) - front left door is opened, 0x200 (512) - front right door is opened, 0x400 (1024) - rear left door is opened, 0x800 (2048) - rear right door is opened, 0x1000 (4096) - hood is opened, 0x2000 (8192) - trunk is opened, 0x3F00 (16128) - all doors are opened, or combinations of values	FMB630, FM6300	CAN adapters elements
12	Program Number	4	Unsigned	0	999	-	-	Value: Min - 0, Max - 999	FMB630, FM6300	CAN adapters elements
13	Module ID	8	Unsigned	0	0xffffffffffff	-	-	Module ID	FMB630, FM6300	CAN adapters elements
14	Engine Worktime	4	Unsigned	0	16777215	-	min	Engine work time in minutes	FMB630, FM6300	CAN adapters elements
15	Engine Worktime (counted)	4	Unsigned	0	16777215	-	min	Total Engine work time in minutes	FMB630, FM6300	CAN adapters elements
16	Total Mileage (counted)	4	Unsigned	0	4294967295	-	m	Total Vehicle Mileage, m	FMB630, FM6300	CAN adapters elements
17	Fuel Consumed (counted)	4	Unsigned	0	2147483647	0,1	l	Total Fuel Consumed, l	FMB630, FM6300	CAN adapters elements
18	Fuel Rate	2	Unsigned	0	32768	0,1	l/h	Fuel Rate, l/h	FMB630, FM6300	CAN adapters elements
19	AdBlue Level Percent	1	Unsigned	0	255	0,1	%	AdBlue, %	FMB630, FM6300	CAN adapters elements
20	AdBlue Level Liters	2	Unsigned	0	65535	0,1	l	AdBlue level, L	FMB630, FM6300	CAN adapters elements
23	Engine Load	1	Unsigned	0	130	-	%	Engine load, %	FMB630, FM6300	CAN adapters elements
25	Engine Temperature	2	Signed	-600	1270	0,1	°C	Engine Temperature, °C	FMB630, FM6300	CAN adapters elements
26	Axle 1 Load	2	Unsigned	0	32768	-	kg	Axle 1 load, kg	FMB630, FM6300	CAN adapters elements
27	Axle 2 Load	2	Unsigned	0	32768	-	kg	Axle 2 load, kg	FMB630, FM6300	CAN adapters elements
28	Axle 3 Load	2	Unsigned	0	32768	-	kg	Axle 3 load, kg	FMB630, FM6300	CAN adapters elements
29	Axle 4 Load	2	Unsigned	0	32768	-	kg	Axle 4 load, kg	FMB630, FM6300	CAN adapters elements
32	Axle 5 Load	2	Unsigned	0	32768	-	kg	Axle 5 load, kg	FMB630, FM6300	CAN adapters elements
38	Control State Flags	4	Unsigned	0	4294967295	-	-	Control state flags	FMB630, FM6300	CAN adapters elements
39	Agricultural Machinery Flags	8	Unsigned	0	0xffffffffffff	-	-	Agricultural machinery flags	FMB630, FM6300	CAN adapters elements
40	Harvesting Time	4	Unsigned	0	16777215	-	min	Harvesting Time, minutes	FMB630, FM6300	CAN adapters elements
41	Area of Harvest	4	Unsigned	0	4294967295	-	m2	Area of Harvest, m^2	FMB630, FM6300	CAN adapters elements
42	Mowing Efficiency	4	Unsigned	0	4294967295	-	m2/h	Mowing efficiency, (m^2)/h	FMB630, FM6300	CAN adapters elements
43	Grain Mown Volume	4	Unsigned	0	4294967295	-	kg	Mown Volume, kg	FMB630, FM6300	CAN adapters elements
44	Grain Moisture	2	Unsigned	0	65535	0,1	%	Grain Moisture in proc, %	FMB630, FM6300	CAN adapters elements
45	Harvesting Drum RPM	2	Unsigned	0	65535	-	rpm	Harvesting Drum RPM, RPM	FMB630, FM6300	CAN adapters elements

46	Gap Under Harvesting Drum	1	Unsigned	0	255	-	mm	Gap Under Harvesting Drum, mm	FMB630, FM6300	CAN adapters elements
47	Security State Flags	8	Unsigned	0	0xffffffffffff	-	-	Security State Flag	FMB630, FM6300	CAN adapters elements
141	Battery Temperature	2	Signed	-600	1270	0,1	°C	Degrees, °C	FMB630, FM6300	CAN adapters elements
142	Battery Level Percent	1	Unsigned	0	255	0,1	%	Value in percentages, %	FMB630, FM6300	CAN adapters elements
176	DTC Errors	1	Unsigned	0	255	-	-	DTC Errors	FMB630, FM6300	CAN adapters elements
177	DTC Codes	8	Unsigned	0	0xffffffffffff	-	-		FMB630, FM6300	CAN adapters elements
226	CNG Status	1	Unsigned	0	1	-	-	0 - Engine not on CNG; 1 - Engine on CNG.	FMB630, FM6300	CAN adapters elements
227	CNG Used	4	Unsigned	0	4294967295	-	kg	CNG Used	FMB630, FM6300	CAN adapters elements
228	CNG Level	2	Unsigned	0	65535	-	%	CNG Level	FMB630, FM6300	CAN adapters elements

Eventual I/O elements

Property ID in AVL packet	Property Name	Bytes	Type	Value range		Multiplier	Units	Description	HW Support	Parameter Group
				Min	Max					
155	Geofence zone 01	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
156	Geofence zone 02	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
157	Geofence zone 03	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
158	Geofence zone 04	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
159	Geofence zone 05	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
160	Geofence zone 06	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
161	Geofence zone 07	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
162	Geofence zone 08	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
163	Geofence zone 09	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
164	Geofence zone 10	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
165	Geofence zone 11	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
166	Geofence zone 12	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
167	Geofence zone 13	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
168	Geofence zone 14	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
169	Geofence zone 15	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
170	Geofence zone 16	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
171	Geofence zone 17	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
172	Geofence zone 18	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
173	Geofence zone 19	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
174	Geofence zone 20	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
327	Geofence zone 21	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
328	Geofence zone 22	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
329	Geofence zone 23	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
330	Geofence zone 24	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
331	Geofence zone 25	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
332	Geofence zone 26	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
333	Geofence zone 27	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
334	Geofence zone 28	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
335	Geofence zone 29	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
336	Geofence zone 30	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
337	Geofence zone 31	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
338	Geofence zone 32	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
339	Geofence zone 33	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
340	Geofence zone 34	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
341	Geofence zone 35	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
342	Geofence zone 36	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
343	Geofence zone 37	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
344	Geofence zone 38	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
345	Geofence zone 39	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
346	Geofence zone 40	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
347	Geofence zone 41	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
348	Geofence zone 42	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
349	Geofence zone 43	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements

350	Geofence zone 44	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
351	Geofence zone 45	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
352	Geofence zone 46	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
353	Geofence zone 47	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
354	Geofence zone 48	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
355	Geofence zone 49	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
356	Geofence zone 50	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
175	Auto Geofence	1	Unsigned	0	1	-	-	0 - target left zone 1 - target entered zone	FMB630, FM6300	Eventual I/O elements
250	Trip	1	Unsigned	0	1	-	-	1 - trip start; 0 - trip stop.	FMB630, FM6300	Permanent I/O elements
255	Over Speeding	1	Unsigned	0	255	-	km/h	At over speeding start km/h, at over speeding end km/h	FMB630, FM6300	Eventual I/O elements
243	Idling	1	Unsigned	0	1	-	-	0 - moving, 1 - idling	FMB630, FM6300	Eventual I/O elements
253	Green Driving Type	1	Unsigned	1	3	-	-	1 - harsh acceleration, 2 - harsh braking, 3 - harsh cornering	FMB630, FM6300	Eventual I/O elements
246	Towing	1	Unsigned	0	1	-	-	0 - steady, 1 - towing	FMB630, FM6300	Eventual I/O elements
248	Geofence Zone Over Speeding	1	Unsigned	0	1	-	-		FMB630, FM6300	Eventual I/O elements
247	Crash Detection	1	Unsigned	0	5	-	-	1 - Crash detected 2 - limited crash trace (device not calibrated) 3 - limited crash trace (device is calibrated) 4 - full crash trace (device not calibrated) 5 - full crash trace (device is calibrated)	FMB630, FM6300	Eventual I/O elements
251	Immobilizer	1	Unsigned	0	1	-	-		FMB630, FM6300	Eventual I/O elements
254	Green Driving Value	1	Unsigned	0	255	acc and braking: 0.01	G or rad	Depending on green driving type: if harsh acceleration or braking - g*100 (value 123 -> 1.23g), if harsh cornering - degrees (value in radians)	FMB630, FM6300	Eventual I/O elements
249	Jamming	1	Unsigned	0	1	-	-	1 - jamming start 0 - jamming stop	FMB630, FM6300	Eventual I/O elements
252	Authorized Driving	1	Unsigned	0	1	-	-		FMB630, FM6300	Eventual I/O elements
242	Data Limit Hit	1	Unsigned	0	1	-	-	0 - Data limit hit in home; 1 - Data limit hit in roaming.	FMB630, FM6300	Eventual I/O elements
362	Trace Order	2	Unsigned	0	65535	-	-		FMB630, FM6300	Eventual I/O elements
358	Custom Scenario 1	1	Unsigned	0	1	-	-		FMB630, FM6300	Eventual I/O elements
359	Custom Scenario 2	1	Unsigned	0	1	-	-		FMB630, FM6300	Eventual I/O elements
360	Custom Scenario 3	1	Unsigned	0	1	-	-		FMB630, FM6300	Eventual I/O elements
361	Custom Scenario 4	1	Unsigned	0	1	-	-		FMB630, FM6300	Eventual I/O elements

Manual CAN elements

Property ID in AVL packet	Property Name	Bytes	Type	Value range		Multiplier	Units	Description	HW Support	Parameter Group
				Min	Max					
145	Manual CAN 00	1-8	Unsigned	0	0xffffffffffff	-	-		FMB630, FM6300	Manual CAN elements
146	Manual CAN 01	1-8	Unsigned	0	0xffffffffffff	-	-		FMB630, FM6300	Manual CAN elements
147	Manual CAN 02	1-8	Unsigned	0	0xffffffffffff	-	-		FMB630, FM6300	Manual CAN elements
148	Manual CAN 03	1-8	Unsigned	0	0xffffffffffff	-	-		FMB630, FM6300	Manual CAN elements
149	Manual CAN 04	1-8	Unsigned	0	0xffffffffffff	-	-		FMB630, FM6300	Manual CAN elements
150	Manual CAN 05	1-8	Unsigned	0	0xffffffffffff	-	-		FMB630, FM6300	Manual CAN elements
151	Manual CAN 06	1-8	Unsigned	0	0xffffffffffff	-	-		FMB630, FM6300	Manual CAN elements
152	Manual CAN 07	1-8	Unsigned	0	0xffffffffffff	-	-		FMB630, FM6300	Manual CAN elements
153	Manual CAN 08	1-8	Unsigned	0	0xffffffffffff	-	-		FMB630, FM6300	Manual CAN elements
154	Manual CAN 09	1-8	Unsigned	0	0xffffffffffff	-	-		FMB630, FM6300	Manual CAN elements

Tachograph data elements

Property ID in AVL packet	Property Name	Bytes	Type	Value range		Multiplier	Units	Description	HW Support	Parameter Group
				Min	Max					
183	Drive Recognize	1	Unsigned	0	1	-	-		FMB630, FM6300	Tachograph data elements
184	Driver 1 Working State	1	Unsigned	0	5	-	-	0 - Rest; 1 - Driver available 2 - Work; 3 - Drive; 4 - Erros; 5 - Not available.	FMB630, FM6300	Tachograph data elements
185	Driver 2 Working State	1	Unsigned	0	5	-	-	0 - Rest; 1 - Driver available 2 - Work; 3 - Drive; 4 - Error; 5 - Not available.	FMB630, FM6300	Tachograph data elements
186	Tachograph Over Speed	1	Unsigned	0	1	-	-		FMB630, FM6300	Tachograph data elements
187	Driver 1 Card Presence	1	Unsigned	0	1	-	-		FMB630, FM6300	Tachograph data elements
188	Driver 2 Card Presence	1	Unsigned	0	1	-	-		FMB630, FM6300	Tachograph data elements

189	Driver 1 Time Related States	1	Unsigned	0	15	-	-	0 - normal; 1 - 15 min before 4.5h; 2 - 4.5h reached; 3 - 15 min before 9h; 4 - 9 h reached; 5 - 15 min before 16h; 6 - 16h reached; 7 - 12 reserved; 13 - Other; 14 - Error; 15 - Not available.	FMB630, FM6300	Tachograph data elements
190	Driver 2 Time Related States	1	Unsigned	0	15	-	-	0 - normal; 1 - 15 min before 4.5h; 2 - 4.5h reached; 3 - 15 min before 9h; 4 - 9 h reached; 5 - 15 min before 16h; 6 - 16h reached; 7 - 12 reserved; 13 - Other; 14 - Error; 15 - Not available.	FMB630, FM6300	Tachograph data elements
191	Vehicle Speed	2	Unsigned	0	65535	-	km/h		FMB630, FM6300	Tachograph data elements
192	Odometer	4	Unsigned	0	4294967295	-	m	Total vehicle distance	FMB630, FM6300	Tachograph data elements
193	Trip Distance	4	Unsigned	0	4294967295	-	m	Current vehicle distance	FMB630, FM6300	Tachograph data elements
194	Timestamp	4	Unsigned	0	4294967295	-	-		FMB630, FM6300	Tachograph data elements
231	Vehicle Registration Number Part1	8	Unsigned	0	0xffffffffffff	-	-		FMB630, FM6300	Tachograph data elements
232	Vehicle Registration Number Part2	8	Unsigned	0	0xffffffffffff	-	-		FMB630, FM6300	Tachograph data elements
233	Vehicle Identification Number Part1	8	Unsigned	0	0xffffffffffff	-	-		FMB630, FM6300	Tachograph data elements
234	Vehicle Identification Number Part2	8	Unsigned	0	0xffffffffffff	-	-		FMB630, FM6300	Tachograph data elements
235	Vehicle Identification Number Part3	1	Unsigned	0	0xff	-	-		FMB630, FM6300	Tachograph data elements
222	Card 1 Issuing Member State	1	Unsigned	0	255	-	-	NationNumeric as described in EEC 3821_85	FMB630, FM6300	Tachograph data elements
223	Card 2 Issuing Member State	1	Unsigned	0	255	-	-	NationNumeric as described in EEC 3821_85	FMB630, FM6300	Tachograph data elements
195	Driver 1 ID MSB	8	Unsigned	0	0xffffffffffff	-	-		FMB630, FM6300	Tachograph data elements
196	Driver 1 ID LSB	8	Unsigned	0	0xffffffffffff	-	-		FMB630, FM6300	Tachograph data elements
197	Driver 2 ID MSB	8	Unsigned	0	0xffffffffffff	-	-		FMB630, FM6300	Tachograph data elements
198	Driver 2 ID LSB	8	Unsigned	0	0xffffffffffff	-	-		FMB630, FM6300	Tachograph data elements
56	Driver 1 Continuous Driving Time	2	Unsigned	0	0xffff	-	-		FMB630, FM6300	Tachograph data elements
57	Driver 2 Continuous Driving Time	2	Unsigned	0	0xffff	-	-		FMB630, FM6300	Tachograph data elements
58	Driver 1 Cumulative Break Time	2	Unsigned	0	0xffff	-	-		FMB630, FM6300	Tachograph data elements
59	Driver 2 Cumulative Break Time	2	Unsigned	0	0xffff	-	-		FMB630, FM6300	Tachograph data elements
60	Driver 1 Selected Activity Duration	2	Unsigned	0	0xffff	-	-		FMB630, FM6300	Tachograph data elements
61	Driver 2 Selected Activity Duration	2	Unsigned	0	0xffff	-	-		FMB630, FM6300	Tachograph data elements
69	Driver 1 Cumulative Driving Time	2	Unsigned	0	0xffff	-	-		FMB630, FM6300	Tachograph data elements
77	Driver 2 Cumulative Driving Time	2	Unsigned	0	0xffff	-	-		FMB630, FM6300	Tachograph data elements
48	Tacho Data Source	1	Unsigned	0	4	-	-		FMB630, FM6300	Tachograph data elements