

# FMC003 Speed Elements

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- In the GPS element, there is a 2-byte speed. - this is speed based on GPS data, it is always included in the packet.

GPS Element	15		
Longitude	4	253032016	0F-14-F6-50
Latitude	4	547146368	20-9C-CA-80
Altitude	2	111	00-6F
Angle	2	214	00-D6
Satellites	1	4	04
Speed	2	4	00-04

- If I/O element "Speed" is enabled. In AVL data packets IO element with ID 24 is going to be included. It is a 2-byte I/O element - it is the same speed from GPS, just that it is included as IO element to have the possibility to create events for it.

2b Element count	1	5	05
ID	1	182	B6
Value	2	0	00-00
ID	1	66	42
Value	2	15130	3B-1A
ID	1	24	18
Value	2	0	00-00

- There is a I/O element with ID 37. This is a 1 byte element - it is speed from OBDII data. It is wise to use this element as the base for correct speed readings, as GPS data sometimes might be not very accurate.

