

DAIMLER TRUCK

Selection of actual value group
Display of all actual values
Control unit information
Voltage supply of control unit
Sensor voltages
Temperatures
Pressure values
Engine speeds
Torques
Power take-off
Exhaust gas recirculation
Engine oil
Fuel supply
Starting procedure
Status of actuators
Operating condition
Charge air system
Theft protection - Immobilizer (FBS2)
Cylinder - Acceleration values (Only for the development department)
EOL values
+ Individual actual value groups

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No.		Name	Actual value	Specified value
☐ M001		Requested engine torque	-310.00Nm	[-300.00 .. 3000.00]
☐ M002		Maximum engine torque	1.338kNm	[0.000 .. 3.000]
☐ M003		Engine torque	-1.00Nm	[0.00 .. 3000.00]
☐ M004		Mean actuation duration of main injection for all fuel injectors	1ms	[0 .. 30]
☐ M006		Requested engine speed	600.00 1/min	[0.00 .. 2500.00]
☐ M007		Maximum engine speed	2100 1/min	≤ 2500
☐ M010		Engine speed	1538.00 1/min	[0.00 .. 2500.00]
☐ M012		Vehicle speed	50.00km/h	[0.00 .. 130.00]
☐ M013		Coolant temperature downstream of coolant pump	91.00°C	[-30.00 .. 110.00]
☐ M014		Fuel temperature	67.00°C	[-30.00 .. 100.00]
☐ M015		Deviation from specified oil level	SIGNAL INVALID	
☐ M016		Oil temperature	107.00°C	[-30.00 .. 125.00]
☐ M017		Charge air temperature at charge air distributor	55.00°C	[-40.00 .. 130.00]
☐ M018		Boost pressure	1542mbar	[700 .. 4000]
☐ M019		Atmospheric pressure	1.01000bar	[0.70000 .. 1.50000]
☐ M020		Oil pressure	3.70900bar	[0.00000 .. 6.00000]
☐ M021		Battery voltage	28.60800V	[22.00000 .. 30.00000]
☐ M022		Type of controller	Idle speed control	
☐ M023		Status of combustion engine	TORQUE REQUEST	
☐ M025		Pressure differential of exhaust gas recirculation	33mbar	[-1000 .. 1000]
☐ M026		Fan speed	0.00 1/min	[0.00 .. 8000.00]
☐ M027		Rpm of turbocharger	60505.00 1/min	[0.00 .. 116000.00]
☐ 149		dtd_%_0_100_U32_OD01	5.00%	[0.00 .. 100.00]
☐ M031		Specified position of component 'Exhaust gas recirculation positioner'	3.00%	[0.00 .. 100.00]
☐ M043		Rail pressure (actual value)	592bar	[0 .. 1100]
☐ M045		Number of operating hours	6490.00h	
☐ M047		Number of ignition cycles	4189.00	[0.00 .. 65535.00]
☐ M050		Fault status of component 'Y621 (Exhaust gas recirculation controller)'	OK	
☐ M055		Intake air temperature downstream of air filter	34.00°C	[-50.00 .. 500.00]
☐ M060		Charge air temperature downstream of charge air cooler	40.00°C	[-50.00 .. 250.00]
☐ M062		Exhaust back pressure upstream of turbocharger	1318mbar	[0 .. 10000]
☐ M065		Air mass flow	256g/s	[0 .. 800]
☐ M066		Exhaust gas recirculation rate	20.64%	[0.00 .. 100.00]

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☐	M067		Coolant temperature upstream of coolant pump	89.00°C	[-30.00 .. 125.00]
☐	M068		PWM signal of component 'Y616 (Fan clutch solenoid valve)'	100.00%	[0.00 .. 100.00]
☐	M069		PWM signal of component 'Y624 (Engine brake solenoid valve, stage 1)'	0.00%	[0.00 .. 100.00]
☐	M070		PWM signal of component 'Y625 (Engine brake solenoid valve, stage 2)'	0.00%	[0.00 .. 100.00]
☐	M086		Fuel mass to be injected	0.00mg/st	[0mg/stroke .. 500mg/stroke]
☐	M087		Currently injected fuel mass	34.41mg/st	[0mg/stroke .. 500mg/stroke]
☐	M098		Rail pressure (specified value)	521bar	[0 .. 1100]
☐	M099		Rail pressure variation	40.25bar	[-40.00 .. 40.00]
☐	M100		Actual current of quantity control valve	2.9A	[0.0 .. 5.0]
☐	M104		Signal amplitudes 1	0.72 1/min	
☐	M105		Signal amplitudes 3	1.63 1/min	
☐	M106		Acceleration of cylinder 1	6m/s²	
☐	M107		Acceleration of cylinder 2	-2m/s²	
☐	M108		Acceleration of cylinder 3	-2m/s²	
☐	M109		Acceleration of cylinder 4	-4m/s²	
☐	M110		Acceleration of cylinder 5	-8m/s²	
☐	M111		Acceleration of cylinder 6	-5m/s²	
☐	M114		Current correction value for fuel flow rate in high-pressure fuel circuit	8.94L/h	[-150.00 .. 150.00]
☐	M115		Rail leak (calculated value)	1.13	
☐	M118		Status of fan	Fan OFF	
☐	M120		Status of rail pressure regulator	Closed-loop control circuit CLOSED	
☐	M124		Fuel pressure in low-pressure fuel circuit	7.44000bar	[0.00000 .. 10.00000]
☐	M125		Soiling level of fuel filter	58.00%	[0.00 .. 95.00]
☐	M126		Duration fuel temperature exceeded	0.0min	≤ 1092.0
☐	M133		Control deviation of component 'Y621 (Exhaust gas recirculation controller)'	0.84%	
☐	M140		Time since engine start	4005.00s	[0.00 .. 64255.00]
☐	M171		Specified rpm of component 'Coolant pump'	0.00 1/min	
☐	M173		Actual rpm of component 'Coolant pump'	0.00 1/min	
☐	M190		Thermal management	5.00	
☐	R001		Engine number	473907C0888222	
☐	R003		Current vehicle identification number in control unit	W1T96441020727093	
☐	R004		Vehicle identification number in control unit on initial installation	W1T96441020727093	
☐	R005		Engine overspeed	2500.00min-1	
☐	R006		Duration of overspeed	2.50s	
☐	R010		Specified value for working speed	Signal NOT PRESENT	
☐	R013		MB object number for software	038448823500	

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			1	
☐		Frequency counter 'Leakage of high-pressure fuel circuit'	0.00	
☐		Leakage learned value	1.00	
☐		Number of completed test cycles	10.00	
☐		Frequency counter "Opening of pressure limiting valve"	0.00	
☐	R028	 Operating mode of control unit	Normal mode	Normal mode
☐	R029	Number of software programming attempts	1	
☐	R030	Number of data record programming attempts	1	
☐	R031	Maximum number of possible software programming attempts	1023	
☐	R032	Maximum number of possible data record programming attempts	1023	
☐	R040	Fault status	NO FAULT	NO FAULT
☐	R041	Model of immobilizer	Immobilizer (FBS2)	
☐	R042	Status of immobilizer	DEACTIVATED WITH ACTIVE SELF-ARMING	ACTIVATED
☐	R043	Number of transponder keys	00	
☐	R060	 B604 (Oil pressure sensor)	Fault: Error details:vehicle SpeedTooHigh	
☐	R061	 B605 (Engine oil fill level sensor) - Oil level sensor	Fault: Error details:vehicle SpeedTooHigh	
☐	R062	 B605 (Engine oil fill level sensor) - Temperature sensor	Fault: Error details:vehicle SpeedTooHigh	
☐	R065	 B638 (Fuel filter module pressure sensor)	Fault: Error details:vehicle SpeedTooHigh	
☐	R066	 B602 (Fuel temperature sensor)	Fault: Error details:vehicle SpeedTooHigh	
☐	R068	 B621 (Exhaust gas recirculation (AGR) differential pressure sensor)	Fault: Error details:vehicle SpeedTooHigh	
☐	R069	 B608 (Charge air pressure and temperature sensor in charge air pipe) - Pressure sensor	Fault: Error details:vehicle SpeedTooHigh	
☐	R070	 B608 (Charge air pressure and temperature sensor in charge air pipe) - Temperature sensor	Fault: Error details:vehicle SpeedTooHigh	
☐	R071	 B611 (Temperature sensor downstream of air filter)	Fault: Error	

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			details:vehicle SpeedTooHigh
☐	R073	B617 (Charge air temperature sensor in charge air housing)	Fault: Error details:vehicle SpeedTooHigh
☐	R074	B606 (Exhaust coolant temperature sensor)	Fault: Error details:vehicle SpeedTooHigh
☐	R075	B607 (Intake coolant temperature sensor)	Fault: Error details:vehicle SpeedTooHigh
☐	S004	Status of actual value: MIL	OFF
☐	S005	Status of actual value: Warning buzzer	Ignition OFF
☐	S006	RSL	OFF
☐	S009	Status of circuit 15 (CAN bus)	Ignition ON
☐	S010	Status of circuit 15 (CAN bus)	Ignition ON
☐	S013	Status of button 'Engine start' on component 'S600 (Engine start and engine stop button)'	OFF
☐	S014	Status of button 'Engine stop' on component 'S600 (Engine start and engine stop button)'	OFF
☐	S015	Status of circuit 50	NOT ACTIVE
☐	S016	Status of starter lockout	NOT ACTIVE
☐	S025	Status of engine protection function	NOT ACTIVE
☐	S030	Status of component 'Y616 (Fan clutch solenoid valve)'	NOT ACTIVE
☐	S031	Status of component 'Y625 (Engine brake solenoid valve, stage 2)'	NOT ACTIVE
☐	S034	Status of component 'Y636 (Boost pressure regulator)'	NOT ACTIVE
☐	S035	Status of component 'Proportioning valve 11'	NOT ACTIVE
☐	S037	Status of component 'Y624 (Engine brake solenoid valve, stage 1)'	OFF

MB_LKW/Steuergeraete/Antrieb/MCM/MCM21T/SFTP/MCM21T_SFTP.gmf#RuntimeTabs/CurrentValues/NODE2/Istwerte