Selection of actual value group

Vehicle data

Recording of data

- ⊕ Grouping by components
- ⊕ Grouping by actual values

Display of all actual values

AS001	No.	Name		Actual value	Specified
AS002					INCHES AND ADDRESS OF THE PARTY
AS003	AS001	Current engine	speed		
AS004	AS002	Coolant tempera	ature	88.00°C	
(Exhaust aftertreatment (ACM) control unit)	AS003	Atmospheric pre	ssure	1.00000bar	
AS013 Engine output		(Exhaust aftertre		28.16V	[8.00 32.00]
AS018	AS010	Intake air tempe	rature	0.00°C	
AS019	AS013	Engine output		4.70%	[0.00 100.00]
AS022 Temperature in AdBlue® tank 33.00°C [-30.00	AS018			111.00°C	The state of the s
AS023 Inside temperature of control unit 38.00°C [-30.00 80.00] AS024 Fill level of AdBlue® tank (computed value) 100.00 100.00] AS025 Fill level of AdBlue® tank 62.45% [2.50 100.00] AS028 Fuel flow rate 1.35kg/h [0.00 105.00] AS042 Vehicle AT STANDSTILL YES Volume of fuel tank 368.00L [10.00 1000.00] AS043 Volume of fuel tank 368.00L [10.00 1000.00] AS053 Ambient temperature 27.50°C AS069 Operating condition of combustion engine Ourrent vehicle speed O.00km/h [0.00 120.00] AS079 Readiness request of component 'A58 (Pump module)' Power	AS019			126.00°C	
AS024 Fill level of AdBlue® tank (computed value)	AS022	Temperature in	AdBlue® tank	33.00°C	
Nalue 100.00 10	AS023	Inside temperatu	ure of control unit	38.00°C	150
AS028 Fuel flow rate	AS024		ue® tank (computed	62.45%	
AS042 Vehicle AT STANDSTILL YES	AS025	Fill level of AdBl	ue® tank	62.45%	[2.50 100.00]
AS043 Volume of fuel tank 368.00L [10.00 1000.00] AS053 Ambient temperature 27.50°C AS069 Operating condition of combustion engine Outerent vehicle speed Outerent vehi	AS028	Fuel flow rate		1.35kg/h	[0.00 105.00]
AS053	AS042	Vehicle AT STA	NDSTILL	YES	
AS069			ank		10 miles
AS077 Current vehicle speed 0.00km/h [0.00 120.00] AS079 Readiness request of component 'A58 ON OFF, ON, POWER-DO WN AS080 Requested AdBlue® metering amount 0.00g/h AS087 Total AdBlue® consumption 745kg [0 4000000] AS094 Signal voltage of component 'B74 b1 1.79V [0.50 3.00] AS101 Efficiency of NOx conversion 0.03 AS110 Pressure in AdBlue® supply circuit 10bar [0.0 10] AS111 NOx concentration upstream of SCR 0.00ppm [0.00 1650.00] AS112 Lambda value of NOx sensor 50.00 [0.00 51.00] AS113 NOx concentration downstream of exhaust aftertreatment 1000.00] AS114 NOx concentration downstream of 0.00ppm [0.00 1650.00] AS115 Lambda value of NOx sensor 0.00ppm [0.00 1650.00] AS116 Temperature of NOx sensor 50.00 [0.00 51.00] AS117 Number of operating hours since fault detection in exhaust aftertreatment 0.00 C [-40.00 100] AS117 Number of operating hours since fault detection in exhaust aftertreatment 0.00 C [0.00 100] AS117 Number of operating hours since fault detection in exhaust aftertreatment 0.00 C [0.00 100] AS117 Number of operating hours since fault detection in exhaust aftertreatment 0.00 C [0.00 100] AS117 Number of operating hours since fault detection in exhaust aftertreatment 0.00 C [0.00 100] AS117 Number of operating hours since fault detection in exhaust aftertreatment 0.00 C [0.00 100]	AS053	Ambient tempera	ature		
Readiness request of component 'A58 ON OFF, ON, POWER-DO WN AS080 Requested AdBlue® metering amount 0.00g/h AS087 Total AdBlue® consumption 745kg [0 4000000] AS094 Signal voltage of component 'B74 b1 1.79V [0.50 3.00] (AdBlue® tank fill level sensor)' AS101 Efficiency of NOx conversion 0.03 AS110 Pressure in AdBlue® supply circuit 10bar [0.0 10] AS111 NOx concentration upstream of SCR 0.00ppm [0.00 1650.00] AS112 Lambda value of NOx sensor 50.00 [0.00 51.00] AS113 Temperature of NOx sensor upstream of exhaust aftertreatment AS114 NOx concentration downstream of 0.00ppm [0.00 100] AS115 AS115 AS116 Temperature of NOx sensor 50.00 [0.00 51.00] AS116 Temperature of NOx sensor 50.00 [0.00 51.00] AS117 Number of operating hours since fault detection in exhaust aftertreatment system		engine	tion of combustion	IDLE SPEED	
POWER-DO WN POWER-DO WN	14.000	Current vehicle	speed	0.00km/h	170
AS087 Total AdBlue® consumption 745kg [0 4000000] AS094 Signal voltage of component 'B74 b1 1.79V [0.50 3.00] (AdBlue® tank fill level sensor)' Efficiency of NOx conversion 0.03 AS110 Pressure in AdBlue® supply circuit 10bar [0.0 10] AS111 NOx concentration upstream of SCR catalytic converter 1650.00] AS112 Lambda value of NOx sensor 1650.00 [0.00 51.00] AS113 Temperature of NOx sensor upstream of exhaust aftertreatment 1000.00] AS114 NOx concentration downstream of SCR catalytic converter 1000.00] AS115 NOx concentration downstream of SCR catalytic converter 1650.00] AS116 Temperature of NOx sensor 50.00 [0.00 1650.00] AS117 Number of operating hours since fault detection in exhaust aftertreatment system			est of component 'A58	ON	POWER-DO
AS094 Signal voltage of component 'B74 b1 1.79V [0.50 3.00] (AdBlue® tank fill level sensor)' Efficiency of NOx conversion 0.03 AS110 Pressure in AdBlue® supply circuit 10bar [0.0 10] NOx concentration upstream of SCR 0.00ppm [0.00 1650.00] AS111 NOx concentration upstream of SCR 0.00ppm [0.00 1650.00] Lambda value of NOx sensor 50.00 [0.00 51.00] upstream of exhaust aftertreatment Temperature of NOx sensor upstream of exhaust aftertreatment 1000.00] AS111 NOx concentration downstream of SCR catalytic converter 1650.00] AS112 NOx concentration downstream of SCR catalytic converter 1650.00] AS113 NOx concentration downstream of SCR catalytic converter 1650.00] AS115 NOx concentration downstream of SCR catalytic converter 1650.00] Lambda value of NOx sensor 50.00 [0.00 51.00] AS115 Nox concentration downstream of SCR catalytic converter 1650.00] AS116 Nox concentration downstream of SCR catalytic converter 1650.00] AS117 Nox concentration downstream of SCR Catalytic converter 1650.00] AS118 Nox concentration downstream of SCR Catalytic converter 1650.00] AS119 Lambda value of NOx sensor 1650.00 [0.00 51.00] AS110 Nox concentration downstream of SCR 160.00 [0.00 51.00] AS111 Nox concentration downstream of SCR 160.00 [0.00 51.00] AS112 Nox concentration downstream of SCR 160.00 [0.00 51.00] AS113 On SCR 160.00 [0.00 51.00]	AS080	Requested AdB	ue® metering amount	0.00g/h	
(AdBlue® tank fill level sensor)' Efficiency of NOx conversion 0.03 AS110 Pressure in AdBlue® supply circuit 10bar [0.0 10] AS111 NOx concentration upstream of SCR catalytic converter 1650.00] AS112 Lambda value of NOx sensor 50.00 [0.00 51.00] upstream of exhaust aftertreatment AS113 Temperature of NOx sensor upstream of exhaust aftertreatment 1000.00] AS114 NOx concentration downstream of SCR catalytic converter 1650.00] AS115 NOx concentration downstream of SCR catalytic converter 1650.00] AS116 Temperature of NOx sensor 50.00 [0.00 51.00] AS117 Number of operating hours since fault detection in exhaust aftertreatment system	AS087	Total AdBlue®	onsumption	745kg	[0 4000000]
AS110 Pressure in AdBlue® supply circuit 10bar [0.0 10] AS111 NOx concentration upstream of SCR catalytic converter 1650.00] AS112 Lambda value of NOx sensor 50.00 [0.00 51.00] AS113 Temperature of NOx sensor upstream of exhaust aftertreatment 1000.00] AS114 NOx concentration downstream of sCR catalytic converter 1650.00] AS115 NOx concentration downstream of SCR catalytic converter 1650.00] AS116 Temperature of NOx sensor 50.00 [0.00 51.00] AS116 AS117 Number of operating hours since fault detection in exhaust aftertreatment system	AS094			1.79V	[0.50 3.00]
AS111 NOx concentration upstream of SCR catalytic converter Lambda value of NOx sensor upstream of exhaust aftertreatment Temperature of NOx sensor upstream of exhaust aftertreatment NOx concentration downstream of SCR catalytic converter NOx concentration downstream of SCR Catalytic converter Lambda value of NOx sensor Ucon SCR catalytic converter Lambda value of NOx sensor downstream of exhaust aftertreatment AS115 Temperature of NOx sensor SCR catalytic converter Lambda value of NOx sensor downstream of exhaust aftertreatment AS116 Temperature of NOx sensor downstream of exhaust aftertreatment Number of operating hours since fault detection in exhaust aftertreatment system			x conversion	0.03	
catalytic converter Lambda value of NOx sensor upstream of exhaust aftertreatment Temperature of NOx sensor upstream of exhaust aftertreatment NOx concentration downstream of SCR catalytic converter Lambda value of NOx sensor downstream of exhaust aftertreatment AS115 Temperature of NOx sensor SCR catalytic converter Lambda value of NOx sensor downstream of exhaust aftertreatment AS116 Temperature of NOx sensor downstream of exhaust aftertreatment Number of operating hours since fault detection in exhaust aftertreatment system	1111	Pressure in AdB	lue® supply circuit	10bar	7.0
upstream of exhaust aftertreatment Temperature of NOx sensor upstream of exhaust aftertreatment expected of exhaust aftertreatment of exhaust aftertreatment of exhaust aftertreatment expected of exhaust aftertreatment of exhaust aftertreatment expected of exhaust aftertreatment of exhaust aftertreatment expected of exhaust aftertreatment of exhaust aftertreatment of exhaust aftertreatment expected of exhaust aftertreatment of exh	AS111			0.00ppm	1650.00]
of exhaust aftertreatment NOx concentration downstream of SCR catalytic converter Lambda value of NOx sensor downstream of Py.000 51.00] AS115 AS116 Temperature of NOx sensor 99.00°C [-40.00 downstream of exhaust aftertreatment 1000.00] AS117 Number of operating hours since fault detection in exhaust aftertreatment system					-
SCR catalytic converter Lambda value of NOx sensor downstream of exhaust aftertreatment Temperature of NOx sensor downstream of exhaust aftertreatment AS116 AS117 Number of operating hours since fault detection in exhaust aftertreatment system 1650.00] [0.00 51.00] [0.00 51.00] [0.00 51.00] [0.00 51.00] [0.00 51.00]	AS113			0.00°C	
downstream of exhaust aftertreatment Temperature of NOx sensor 99.00°C [-40.00 downstream of exhaust aftertreatment 1000.00] AS117 Number of operating hours since fault detection in exhaust aftertreatment system		SCR catalytic co	onverter	0.00ppm	1650.00]
downstream of exhaust aftertreatment 1000.00] AS117 Number of operating hours since fault detection in exhaust aftertreatment system	AS115				20 310 13 30
detection in exhaust aftertreatment system	AS116			99.00°C	1000.00]
	AS117	detection in exh	entrance in the second of	Oh	[0 70000]
	AS130	Number of opera	ating hours in last	0h	

		measuring period		
AS131		AdBlue® consumption in last	0.00kg	
		measuring period	o.cog	
AS132		AdBlue® consumption in next to last	0.00kg	
		measuring period		
AS133		Actuation duration of AdBlue®	0.0h	
- 10121		heating elements in last measuring	0.01-	
AS134		Actuation duration of AdBlue® heating elements in next to last	0.0h	
		measuring period		
AS135		Actuation duration of AdBlue®	25.4h	
_		heating elements in total measuring		
AS143		Rpm of AdBlue® delivery pump	1054.00 1/min	
DS001	•	Ignition (circuit 15):	ON	ON
DS001	•	Combustion engine RUNNING	YES	NO, YES
DS002	0	AdBlue® metering device	ACTIVE	NOT ACTIVE, ACTIVE
DS002		Exhaust aftertreatment system	ENABLED	A CONTRACTOR OF THE CONTRACTOR
DS002	0	Status of AdBlue® metering device	OK	ОК
DS002	100	Status of CAN bus	OPERATIONA	NOT FULLY
			L	OPERATIONA
	0			L,
				OPERATIONA
DS003		Status of component 'A58 m25	NOT	NOT
	O	(AdBlue® delivery pump)'	ENABLED	ENABLED.
	U	(, ,		ENABLED
DS004	0	Actuation of component 'R7 (AdBlue®	NOT ACTIVE	NOT ACTIVE,
	U	intake line heating element)'	To a series of the series	ACTIVE
DS004	0	Actuation of component 'R8 (AdBlue®	NOT ACTIVE	NOT ACTIVE, ACTIVE
DS005	B-100	pressure line heating element)' Actuation of component 'R6 (AdBlue®	NOT ACTIVE	NOT ACTIVE.
	0	return line heating element)'	11017101112	ACTIVE
DS006	0	Indicator lamp 'CEL (Check Engine	OFF	OFF
_		Lamp)'		
DS006	0	Warning buzzer	OFF	OFF
DS006	0	Indicator lamp 'SEL (Stop Engine Lamp)'	ON	OFF
DS007	0	Signal 'Lambda value of NOx sensor	INVALID	VALID,
D0007	11 11	upstream of exhaust aftertreatment	INIVALID	INVALID
DS007	•	Signal 'NOx concentration upstream of SCR catalytic converter'	INVALID	VALID, INVALID
DS007		Power supply of component 'A70	NOT OK	NOT OK, OK
	0	(NOx sensor control unit, exhaust		
		aftertreatment unit inlet)'		
DS007	8	Operating temperature of component	REACHED	NOT
	•	'A70 b1 (NOx sensor, exhaust		REACHED, REACHED
DS009	•	aftertreatment unit inlet)' Signal 'Lambda value of NOx sensor	INVALID	VALID,
	0	downstream of exhaust aftertreatment		INVALID
DS009		Signal 'NOx concentration	INVALID	VALID,
	0	downstream of SCR catalytic		INVALID
D0000		converter'	OK	NOT OK OK
DS009	Ð	Power supply of component 'A57 (NOx sensor control unit, exhaust	OK	NOT OK, OK
	U	aftertreatment unit outlet)		
DS009		Operating temperature of component	REACHED	NOT

		'A57 b1 (NOx sensor, exhaust aftertreatment unit outlet)'		REACHED,
☐ DS011	0	Actuation of component 'A67 y3 (AdBlue® metering valve)'	NOT ACTIVE	NOT ACTIVE, ACTIVE
DS011	•	Actuation of component 'A67 r1 (AdBlue® metering valve heating element)'	NOT ACTIVE	NOT ACTIVE, ACTIVE

Control unit 'A70 (NOx sensor control unit, exhaust aftertreatment unit inlet)' determines the actual value via component 'A70 b1 (NOx sensor, exhaust aftertreatment unit inlet)' and makes it available to control unit 'A60 (Exhaust aftertreatment (ACM) control unit)' in the form of a CAN signal.

- A60.X2.120/52: CAN line high A70 (NOx sensor control unit, exhaust aftertreatment unit inlet)
- A60.X2.120/53: CAN line low A70 (NOx sensor control unit, exhaust aftertreatment unit inlet)

MB_LKW/Steuergeraete/Antrieb/ACM/ACM21T/SFTP/ACM21T_SFTP.gmf#RuntimeTabs/CurrentValues/NODE2/Istwerte

12/2023