

Modbus Register	Mask	Format	Resolution/Unit	Invalid Value	Comment
40001	0x0100	BOOL	n/a	n/a	life bit communication (toggles every second)
	0x0200	BOOL	n/a	n/a	system is in automatic mode
	0x0400	BOOL	n/a	n/a	engine is running
	0x0800	BOOL	n/a	n/a	compressor is running
	0x1000	BOOL	n/a	n/a	engine load is ok (condition for injection enable)
	0x2000	BOOL	n/a	n/a	temperature after converter is ok (condition for injection enable)
	0x4000	BOOL	n/a	n/a	injection is on
	0x8000	BOOL	n/a	n/a	measuring system is on
	0x0001	BOOL	n/a	n/a	system warning
	0x0002	BOOL	n/a	n/a	general alarm
	0x0004	BOOL	n/a	n/a	alarm measuring system
	0x0008	BOOL	n/a	n/a	temperature alarm
40002	0xFF00	BYTE	n/a	n/a	spare
	0x00FF	BYTE	n/a	n/a	spare
40003		INT (16 bit signed)	0.1 ppm	-32768 (0x8000)	NO value for controller (measured after SCR)
40004		INT (16 bit signed)	1 ppm	-32768 (0x8000)	NO emission
40005		INT (16 bit signed)	1 ppm	-32768 (0x8000)	CO emission (optional)
40006		INT (16 bit signed)	1 °C	n/a	temperature converter outlet
40007		INT (16 bit signed)	1 °C	-32768 (0x8000)	temperature in converter (optional)
40008		INT (16 bit signed)	1 mbar	-32768 (0x8000)	pressure drop across converter (optional)
40009		INT (16 bit signed)	0.1 l/h	n/a	reactant flow
40010		INT (16 bit signed)	0.1 %	n/a	dosing valve position
40011		INT (16 bit signed)	1 ppm	-32768 (0x8000)	NO2 emission [ppm] (optional)
40012		INT (16 bit signed)	1 ppm	-32768 (0x8000)	NOx rawgas [ppm] (optional)
40013		INT (16 bit signed)	n/a	n/a	spare
40014		INT (16 bit signed)	n/a	n/a	spare
40015		DINT (32 bit signed)	1 l	n/a	reactant consumption total liters (more significant part)
40016					reactant consumption total liters (less significant part)

- Read the registers with Modbus function code 3. The register 40001 holds bit values. The bit information can be extracted by conjunction (and gating) of the Modbus Register content and "Mask".
- The total reactant consumption is a 32 bit long signed integer. Register 40015 holds the more significant part of the number, register 40016 the less significant part.