

## ModBus data items of Modbus VAMP 140

Software version: 3.82  
( dbitem\mb\_data.db,v 6.1.6.7 )

Table 1. ModBus data items in RTU master mode.

Name	Default scaling Device = ModBus	Scaleable	Default ModBus	Active by default address	Default dead band	Direction
Digital input	0 .. 63 = 0 .. 63	no	402001	YES	-	to bus
Phase current I <sub>L1</sub>	1 A = 1	no	402002	YES	1 A	to bus
Phase current I <sub>L2</sub>	1 A = 1	no	402003	YES	1 A	to bus
Phase current I <sub>L3</sub>	1 A = 1	no	402004	YES	1 A	to bus
Residual current I <sub>0</sub>	1 A = 1	no	402005	YES	1 A	to bus
Relative I2/I1	1 = 1	no	402008	no	-	to bus
Frequency	50.00 Hz = 5000	YES	402006	YES	0,010 Hz	to bus
ModBus alive indicator (increments once in a second)	1 s = 1	no	402007	YES	-	to bus
Release latched relays and indicator LEDs (Only a change from value 0 to 1 will do the release.)	1 = 1	no	402030	YES	-	from bus

Name	Default scaling Device = ModBus	Scaleable	Default ModBus	Active by default address	Default dead band	Direction
Event request flag	1 = 1	no	402031	YES	-	from bus
Event sent flag	1 = 1	no	402032	YES	-	to bus
Event code and seconds of time stamp Upper byte = event code Lower byte = seconds	1 = 1	no	402033	YES	-	to bus
Event time stamp, milliseconds	1 = 1	no	402034	YES	-	to bus
Event time stamp Upper byte = minute Lower byte = hour	1 = 1	no	402035	YES	-	to bus
Event time stamp Upper byte = day Lower byte = month	1 = 1	no	402036	YES	-	to bus
Event time stamp, year	1 = 1	no	402037	YES	-	to bus
Real time clock minute synchronization (Values 59, 0 and 1 are ignored. Only a change of value will cause a synchronization.)	2 = 2	no	402038	No	-	from bus
Scaling for overcurrent stages	1 = 1	no	402039	no	-	from bus

Table 2. ModBus data items in RTU slave mode.

<b>Name</b>	<b>Default scaling Device = ModBus</b>	<b>Scaleable</b>	<b>Register</b>	<b>Direction</b>
ModBus alive indicator (0..255, increments once in a second)	1 s = 1	No	402001	to bus
Digital inputs (positive logic) DI1 = bit <sub>0</sub> .. DI6 = bit <sub>5</sub>	0 .. 63 = 0 .. 63	No	402007	to bus
Event code and seconds of time stamp Upper byte = event code Lower byte = seconds	1 = 1	no	402002	to bus
Event time stamp, milliseconds	1 = 1	no	402003	to bus
Event time stamp Upper byte = minute Lower byte = hour	1 = 1	no	402004	to bus
Event time stamp Upper byte = day Lower byte = month	1 = 1	no	402005	to bus
Event time stamp, year	1 = 1	no	402006	to bus
Phase current I <sub>L1</sub>	1 A = 1	no	402008	to bus
Phase current I <sub>L2</sub>	1 A = 1	no	402009	to bus
Phase current I <sub>L3</sub>	1 A = 1	no	402010	to bus
Residual current I <sub>0</sub>	1 A = 1	no	402011	to bus
Frequency	50.00 Hz = 5000	YES	402012	to bus
Relative I2/I1	1 = 1	no	402013	to bus

Name	Default scaling Device = ModBus	Scaleable	Register	Direction
Harmonics of IL1 402202 = 1. harmonic 402208 = 7. harmonic	1 % = 1	no	402202 – 402208	to bus
Harmonics of IL2	1 % = 1	no	402222 – 402228	to bus
Harmonics of IL3	1 % = 1	no	402242 – 402248	to bus
Release latched relays and indicator LEDs (Only a change from value 0 to 1 will do the release.)	1 = 1	no	402501	from bus
Real time clock minute synchronization (Values 59, 0 and 1 are ignored. Only a change of value will cause a synchronization.)	2 = 2	no	402502	from bus
Scaling for overcurrent stages	1 = 1	no	402503	from bus
Set seconds of the real time clock 2..58	2 = 2	no	402504	from bus
Set minute and hour of the real time clock	08:42 = 10760	no	402505	from bus
Set day and month of the real time clock	Aug 18 = 4616	no	402506	from bus
Set year of the real time clock	2003 = 2003	no	402507	from bus