

4_40T - MODBUS 16 Bit Memory Locations (2 Bytes)

Software Version V3.03

Addr. Modbus	Item	Description	R/W	Min	Max	Dp	Def.	Meas. Unit
0	P.V.	Process variable	R	L.S	H.S	d.P.	-	S.p.
10	L.S	Minimum limit of main input scale and analogue output	R/W	-1999	9999	d.P.	0	S.p.
11	H.S	Maximum limit of main input scale and analogue output	R/W	-1999	9999	d.P.	1000	S.p.
12	o.1	Alarm setpoint 1	R/W	L.L	H.L	d.P.	40	S.p.
13	o.2	Alarm setpoint 2 (if relative)	R/W	L.L -999	H.L 999	d.P.	50	S.p.
14	o.3	Alarm setpoint 3 (if relative)	R/W	L.L -999	H.L 999	d.P.	60	S.p.
-								
20	L.L	Low limit for the alarms setpoint	R/W	L.S	H.S	d.P.	0	S.p.
21	H.L	High limit for the alarms setpoint	R/W	L.S	H.S	d.P.	1000	S.p.
23	o.F.	Offset correction of MAIN input	R/W	-999	999	d.P.	0	S.p.
24	F.t	Digital filter on input	R/W	0.0	20.0	1	0.1	sec
25	L.L	Low limit for the alarms setpoint	R/W	L.S	H.S	d.P.	0	S.p.
26	H.L	High limit for the alarms setpoint	R/W	L.S	H.S	d.P.	1000	S.p.
27	H.1	Hysteresis alarm 1	R/W	-999	999	d.P.	-1	S.p.
28	L.L	Low limit for the alarms setpoint	R/W	L.S	H.S	d.P.	0	S.p.
29	H.L	High limit for the alarms setpoint	R/W	L.S	H.S	d.P.	1000	S.p.
30	H.2	Hysteresis alarm 2	R/W	-999	999	d.P.	-1	S.p.
41	C.I.	Select sampling time	R/W	0	7	-	0	-
45	bA	Baud rate	R/W	0	4	-	4	-
46	Co	Serial communication instrument code	R/W	0	247	-	1	-
47	Pt	Parity	R/W	0	2	-	0	-
48	S.P	Protocol type	R/W	0	1	-	0	-
49	Pr	Protection code	R/W	0	127	-	0	-
-								
52	o.3	Alarm setpoint 3 (if relative)	R/W	L.L -999	H.L 999	d.P.	60	S.p.
53	H.3	Hysteresis Alarm 3	R/W	-999	999	d.P.	-1	S.p.
54	3.t	Alarm type 3	R/W	0	63	-	0	-
-								
58	o.4	Alarm setpoint 4 (if relative)	R/W	L.L -999	H.L 999	d.P.	70	S.p.
59	H.4	Hysteresis alarm 4	R/W	-999	999	d.P.	-1	S.p.
-								
85	Er	Self-Diagnostic error code	R	0	28	-		
86	0.0.	Custom scale point 0	R/W	L.S	H.S	d.P.	0	S.p.
87	0.1.	Custom scale point 1	R/W	L.S	H.S	d.P.	31	S.p.
88	0.2.	Custom scale point 2	R/W	L.S	H.S	d.P.	62	S.p.
89	0.3.	Custom scale point 3	R/W	L.S	H.S	d.P.	94	S.p.
90	0.4.	Custom scale point 4	R/W	L.S	H.S	d.P.	125	S.p.
91	0.5.	Custom scale point 5	R/W	L.S	H.S	d.P.	156	S.p.
92	0.6.	Custom scale point 6	R/W	L.S	H.S	d.P.	188	S.p.
93	0.7.	Custom scale point 7	R/W	L.S	H.S	d.P.	219	S.p.
94	0.8.	Custom scale point 8	R/W	L.S	H.S	d.P.	250	S.p.

Addr. Modbus	Item	Description	R/W	Min	Max	Dp	Def.	Meas. Unit
95	0.9.	Custom scale point 9	R/W	L.S	H.S	d.P.	281	S.p.
96	1.0.	Custom scale point 10	R/W	L.S	H.S	d.P.	313	S.p.
97	1.1.	Custom scale point 11	R/W	L.S	H.S	d.P.	344	S.p.
98	1.2.	Custom scale point 12	R/W	L.S	H.S	d.P.	375	S.p.
99	1.3.	Custom scale point 13	R/W	L.S	H.S	d.P.	406	S.p.
100	1.4.	Custom scale point 14	R/W	L.S	H.S	d.P.	438	S.p.
101	1.5.	Custom scale point 15	R/W	L.S	H.S	d.P.	469	S.p.
102	1.6.	Custom scale point 16	R/W	L.S	H.S	d.P.	500	S.p.
103	1.7.	Custom scale point 17	R/W	L.S	H.S	d.P.	531	S.p.
104	1.8.	Custom scale point 18	R/W	L.S	H.S	d.P.	563	S.p.
105	1.9.	Custom scale point 19	R/W	L.S	H.S	d.P.	594	S.p.
106	2.0.	Custom scale point 20	R/W	L.S	H.S	d.P.	625	S.p.
107	2.1.	Custom scale point 21	R/W	L.S	H.S	d.P.	656	S.p.
108	2.2.	Custom scale point 22	R/W	L.S	H.S	d.P.	688	S.p.
109	2.3.	Custom scale point 23	R/W	L.S	H.S	d.P.	719	S.p.
110	2.4.	Custom scale point 24	R/W	L.S	H.S	d.P.	750	S.p.
111	2.5.	Custom scale point 25	R/W	L.S	H.S	d.P.	781	S.p.
112	2.6.	Custom scale point 26	R/W	L.S	H.S	d.P.	813	S.p.
113	2.7.	Custom scale point 27	R/W	L.S	H.S	d.P.	844	S.p.
114	2.8.	Custom scale point 28	R/W	L.S	H.S	d.P.	875	S.p.
115	2.9.	Custom scale point 29	R/W	L.S	H.S	d.P.	906	S.p.
116	3.0.	Custom scale point 30	R/W	L.S	H.S	d.P.	938	S.p.
117	3.1.	Custom scale point 31	R/W	L.S	H.S	d.P.	969	S.p.
118	3.2.	Custom scale point 32	R/W	L.S	H.S	d.P.	1000	S.p.
-								
120		Manufact trade mark (Gefran)	R	-	-	-	5000	-
121		Device ID (440)	R	-	-	-	440	-
122	Ud	Software Version	R	-	-	-		-
-								
134	t.U.	“ Up “ key	R/W	0	16	-	0	-
135	t.d.	“ Down “ key	R/W	0	16	-	0	-
-								
140	d.I	Digital input function selection	R/W	0	16	-	0	-
142	L.L	Low limit for the alarms setpoint	R/W	L.S	H.S	d.P.	0	S.p.
143	H.L	High limit for the alarms setpoint	R/W	L.S	H.S	d.P.	1000	S.p.
-								
177	o.1	Alarm setpoint 1	R/W	L.L	H.L	d.P.	40	S.p.
178	o.2	Alarm setpoint 2 (if relative)	R/W	L.L -999	H.L 999	d.P.	50	S.p.
179	F.d	Digital filter on display process variable	R/W	0.0	9.9	1	0.5	S.p.
-								
187	H.1	Hysteresis alarm 1	R/W	-999	999	d.P.	-1	S.p.
188	H.2	Hysteresis alarm 2	R/W	-999	999	d.P.	-1	S.p.
189	H.3	Hysteresis alarm 3	R/W	-999	999	d.P.	-1	S.p.
190	Hd	Hardware configuration code	R	0	362	-		-
193	t.P	Type of probe, signal and main input scale	R/W	0	58	-	0	-

Addr. Modbus	Item	Description	R/W	Min	Max	Dp	Def.	Meas. Unit
195	O.n	Select number of enabled alarms	R/W	0	4	-	0	-
224	S.I.	Virtual instrument inputs	R/W	0	63		0	
225	S.O	Virtual instrument outputs	R/W	0	31		0	
226	S.U	Virtual instrument user interface	R/W	0	127		0	
229	rE	Fault action (status in case of broken sensors)	R/W	0	15	-	0	-
237	F.O	Output filter mode	R/W	0	12		0	
238	r.A	Delay for FO	R/W	0	99		0	
239	t.M	Minimum output pulse	R/W	0	99		0	
249	d.P.	Decimal point position for main input scale	R/W	0	7	-	0	-
253	1.t	Alarm type 1	R/W	0	63	-	0	-
254	2.t	Alarm type 2	R/W	0	63	-	0	-
255	3.t	Alarm type 3	R/W	0	63	-	0	-
256		Zero offset	R/W	-1999	9999	-	0	S.p.
257	4.t	Alarm type 4	R/W	0	63		0	-
293	3.3.	Custom scale point 33	R/W	-1999	9999	2	0	mv
294	3.4.	Custom scale point 34	R/W	-1999	9999	2	0	mv
295	3.5.	Custom scale point 35	R/W	-1999	9999	3	0	mv
-								
297	-	Input maximum peak	R	L.S	H.S	d.P.	-	S.p.
298	-	Input minimum peak	R	L.S	H.S	d.P.	-	S.p.
299	-	Input peak - peak	R	L.S	H.S	d.P.	-	S.p.
302		Alarm 4 from serial line	R/W	L.L	H.L	d.P.	0	S.p.
305	-	STATUS_W	R/W	0	-	-	-	
306	-	SK_SER_AN	R/W	0	-	-	-	
307	-	Out W control register from serial line VALUE_W	R/W	0	4095	-	-	DAC
308	-	X_OUTVAL	R	0	15	-	-	-
309	-	GRF_CNT	R	0	4	-	-	-
310		IN_ADC						
311	-	Instrument status: PAGE	R			-	-	-
312	-	Instrument status: ROW	R			-	-	-
313	-	Instrument status: BLOK_PNTR	R			-	-	-
314	-	Instrument status: ADD_VAR	R			-	-	-
315		SK_OUT2	R					
316		SK_OUT3	R					
317	-	Digital input status: INPUT_DIG	R	0		-	-	-
318	-	Alarm status: ALSTATE	R	0	31	-	-	-
319	-	Output logic/relays status: MASKOUT	R	0	15	-	-	-
320	-	Keyboard image: NEW_TAST	R/W	0	15	-	-	-
321	-	Upper display - digit 3 M	R/W	0	255	-	-	-
322	-	Upper display - digit 2 C	R/W	0	255	-	-	-

Addr. Modbus	Item	Description	R/W	Min	Max	Dp	Def.	Meas. Unit
323	-	Upper display - digit 1 D	R/W	0	255	-	-	-
324	-	Upper display - digit 0 U	R/W	0	255	-	-	-
329	-	Display - 7 led	R	0	255	-	-	-
334	-	FAD_AUX	R	0	65535	-	-	ADC
337	-	FAD_SOND	R	0	65535	-	-	ADC
338	-	FAD_TAMB	R	0	65535	-	-	ADC
339	-	FAD_ZERO	R	0	65535	-	-	ADC
340	-	FAD_50	R	0	65535	-	-	ADC
341		Alarm 1 from serial line	R/W	L.L	H.L	d.P.	0	S.p.
342		Alarm 2 from serial line	R/W	L.L	H.L	d.P.	0	S.p.
343		Alarm 3 from serial line	R/W	L.L	H.L	d.P.	0	S.p.
344		V_IN_OUT	R/W	0	255	-	-	-
345		STATUS6_W	R/W	0	255	-	-	-
346		STATO_JUMPER	R	0	255	-	-	-
347		VALUE_F	R/W	0	65535	-	-	-
348		VALAUX_F	R/W	0	65535	-	-	-
349		VAL_FILD	R	L.S	H.S	-	-	S.p.
351		V_X_LEDS	R/W	-	-	-	-	-
352		RAM_CAL_MIN	R	0	65535	-	-	-
353		RAM_CAL_MAX	R	0	65535	-	-	-
354		RAM_CAL2_MIN	R	0	65535	-	-	-
355		RAM_CAL2_MAX	R	0	65535	-	-	-
356		BLOK_OUTWL	R	0	65535	-	-	-
357		BLOK_OUTWH	R	0	65535	-	-	-
358		BLOK_CUS10VL	R	0	65535	-	-	-
359		BLOK_CUS10VH	R	0	65535	-	-	-
360		BLOK_POTL	R	0	65535	-	-	-
361		BLOK_POTH	R	0	65535	-	-	-
362		BLOK_SG1	R	0	65535	-	-	-
363		BLOK_SG2	R	0	65535	-	-	-
364		BLOK_SGSIM1	R	0	65535	-	-	-
365		BLOK_SGSIM2	R	0	65535	-	-	-
366		BLOK_CUSRTDL	R	0	65535	-	-	-
367		BLOK_CUSRTDH	R	0	65535	-	-	-
368		BLOK_CUSPTCL	R	0	65535	-	-	-
369		BLOK_CUSPTCH	R	0	65535	-	-	-
370		BLOK_CUSNTCL	R	0	65535	-	-	-
371		BLOK_CUSNTCH	R	0	65535	-	-	-
372		BLOK_CUS1VL	R	0	65535	-	-	-
373		BLOK_CUS1VH	R	0	65535	-	-	-
376		BLOK_C50	R	0	65535	-	-	-
377		BLOK_CTA	R	0	65535	-	-	-
378		BLOK_PT100L	R	0	65535	-	-	-
379		BLOK_PT100H	R	0	65535	-	-	-
380		BLOK_JPT100L	R	0	65535	-	-	-
381		BLOK_JPT100H	R	0	65535	-	-	-
382		BLOK_PTCL	R	0	65535	-	-	-
383		BLOK_PTCH	R	0	65535	-	-	-
384		BLOK_NTCL	R	0	65535	-	-	-
385		BLOK_NTCH	R	0	65535	-	-	-

Addr. Modbus	Item	Description	R/W	Min	Max	Dp	Def.	Meas. Unit
386		BLOK_60MVL	R	0	65535	-	-	-
387		BLOK_60MVH	R	0	65535	-	-	-
388		BLOK_20MAL	R	0	65535	-	-	-
389		BLOK_20MAH	R	0	65535	-	-	-
390		BLOK_10VL	R	0	65535	-	-	-
391		BLOK_10VH	R	0	65535	-	-	-
392		BLOK_5VL	R	0	65535	-	-	-
393		BLOK_5VH	R	0	65535	-	-	-
394		BLOK_1VL	R	0	65535	-	-	-
395		BLOK_1VH	R	0	65535	-	-	-
400		BLOK_60MV230L	R	0	65535	-	-	-
401		BLOK_60MV230H	R	0	65535	-	-	-
402		BLOK_60MV215L	R	0	65535	-	-	-
403		BLOK_60MV215H	R	0	65535	-	-	-
404		BLOK_20MA230L	R	0	65535	-	-	-
405		BLOK_20MA230H	R	0	65535	-	-	-
406		BLOK_20MA215L	R	0	65535	-	-	-
407		BLOK_20MA215H	R	0	65535	-	-	-
408		BLOK_10V230L	R	0	65535	-	-	-
409		BLOK_10V230H	R	0	65535	-	-	-
410		BLOK_10V215L	R	0	65535	-	-	-
411		BLOK_10V215H	R	0	65535	-	-	-
412		BLOK_5V230L	R	0	65535	-	-	-
413		BLOK_5V230H	R	0	65535	-	-	-
414		BLOK_5V215L	R	0	65535	-	-	-
415		BLOK_5V215H	R	0	65535	-	-	-
416		BLOK_1V230L	R	0	65535	-	-	-
417		BLOK_1V230H	R	0	65535	-	-	-
418		BLOK_1V215L	R	0	65535	-	-	-
419		BLOK_1V215H	R	0	65535	-	-	-
420		BLOK_E2POTSG	R	0	65535	-	-	-
421		BLOK_E2POTSGSIMM	R	0	65535	-	-	-
422		BLOK_GE	R	0	65535	-	-	-
423		BLOK_FR	R	0	65535	-	-	-
424		BLOK_AN	R	0	65535	-	-	-
425		BLOK_06	R	0	65535	-	-	-
426		BLOK_00	R	0	65535	-	-	-
427		CHK_CONF	R	0	1	-	-	-
-								
519	oF.	Offset correction of MAIN input	R/W	-999	999	d.P.	0	S.p.

4_40T - MODBUS BIT

Software Version V3.03

Addr.	Description	R/W
-		
4	AL1 status	R
5	AL2 status	R
-		
9	Sensor break Sbr	R
12	Out1 status	R
13	Out2 status	R
14	Out3 status	R
15	Out4 status	R
-		
36	AL3 direct/inverse	R/W
37	AL3 absolute/relative	R/W
38	AL3 normal/symmetrical	R/W
39	AL3 disabled in power on	R/W
40	AL3 with memory	R/W
-		
46	AL1 direct/inverse	R/W
47	AL1 absolute/relative	R/W
48	AL1 normal/symmetrical	R/W
49	AL1 disabled in power on	R/W
50	AL1 with memory	R/W
-		
54	AL2 direct/inverse	R/W
55	AL2 absolute/relative	R/W
56	AL2 normal/symmetrical	R/W
57	AL2 disabled in power on	R/W
58	AL2 with memory	R/W
-		
62	AL3 status	R
64	Input of hold active	R
68	Digital input status	R
-		
69	AL4 status	R
-		
70	AL4 direct/inverse	R/W
71	AL4 absolute/relative	R/W
72	AL4 normal/symmetrical	R/W
73	AL4 disabled in power on	R/W
74	AL4 with memory	R/W