Modbus Register
RTC interface card

V4.0

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
Error bits	40001	Unsigned Integer	1	R/W		0 /65535	Bit0: WTOS FAILURE Bit1: FAULTY PUMP1 Bit2: FAULTY PUMP2 Bit3: UNFLOW1 NOT GOOD Bit4: INFLOW2 NOT GOOD Bit5: PARSER SYNTAX ERROR Bit6: PARSER FORMULA TO LONG Bit7: PARSER ARGUMENT Bit8: PARSER LOGIC FUNKTION Bit9: PARSER BOUNDARAY FUNCTION
WARNING	40002	Unsigned Integer	1	R/W		0 /65535	Bit0: MODBUS ADRESSE Bit1: PROBE IN SERVICE
LOCATION 1	40003	String	8	R/W			
MEASUREMENT 1	40011	Float	2	R/W			
ACTUAT VAR 1	40011	Float	2	R/W			
UNIT 1	40013	Selection List	1	R/W			See StandardEnums
PARAMETER 1	40014	Selection List	1	R/W			See StandardEnums
LOCATION 2	40015	String	8	R/W			
MEASUREMENT 2	40023	Float	2	R/W			
ACTUAT VAR 2	40023	Float	2	R/W			
UNIT 2	40025	Selection List	1	R/W			See StandardEnums
PARAMETER 2	40026	Selection List	1	R/W			See StandardEnums
LOCATION 3	40027	String	8	R/W			
MEASUREMENT 3	40035	Float	2	R/W			
ACTUAT VAR 3	40035	Float	2	R/W			
UNIT 3	40037	Selection List	1	R/W			See StandardEnums
PARAMETER 3	40038	Selection List	1	R/W			See StandardEnums
LOCATION 4	40039	String	8	R/W			
MEASUREMENT 4	40047	Float	2	R/W			
ACTUAT VAR 4	40047	Float	2	R/W			
UNIT 4	40049	Selection List	1	R/W			See StandardEnums
PARAMETER 4	40050	Selection List	1	R/W			See StandardEnums

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
LOCATION 5	40051	String	8	R/W			
MEASUREMENT 5	40059	Float	2	R/W			
ACTUAT VAR 5	40059	Float	2	R/W			
UNIT 5	40061	Selection List	1	R/W			See StandardEnums
PARAMETER 5	40062	Selection List	1	R/W			See StandardEnums
LOCATION 6	40063	String	8	R/W			
MEASUREMENT 6	40071	Float	2	R/W			
ACTUAT VAR 6	40071	Float	2	R/W			
UNIT 6	40073	Selection List	1	R/W			See StandardEnums
PARAMETER 6	40074	Selection List	1	R/W			See StandardEnums
LOCATION 7	40075	String	8	R/W			
MEASUREMENT 7	40083	Float	2	R/W			
ACTUAT VAR 7	40083	Float	2	R/W			
UNIT 7	40085	Selection List	1	R/W			See StandardEnums
PARAMETER 7	40086	Selection List	1	R/W			See StandardEnums
LOCATION 8	40087	String	8	R/W			
MEASUREMENT 8	40095	Float	2	R/W			
ACTUAT VAR 8	40095	Float	2	R/W			
UNIT 8	40097	Selection List	1	R/W			See StandardEnums
PARAMETER 8	40098	Selection List	1	R/W			See StandardEnums
LOCATION 9	40099	String	8	R/W			
MEASUREMENT 9	40107	Float	2	R/W			
ACTUAT VAR 9	40107	Float	2	R/W			

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
UNIT 9	40109	Selection List	1	R/W			See StandardEnums
PARAMETER 9	40110	Selection List	1	R/W			See StandardEnums
LOCATION 10	40111	String	8	R/W			
MEASUREMENT 10	40119	Float	2	R/W			
ACTUAT VAR 10	40119	Float	2	R/W			
UNIT 10	40121	Selection List	1	R/W			See StandardEnums
PARAMETER 10	40122	Selection List	1	R/W			See StandardEnums
LOCATION 11	40123	String	8	R/W			
MEASUREMENT 11	40131	Float	2	R/W			
ACTUAT VAR 11	40131	Float	2	R/W			
UNIT 11	40133	Selection List	1	R/W			See StandardEnums
PARAMETER 11	40134	Selection List	1	R/W			See StandardEnums
LOCATION 12	40135	String	8	R/W			
MEASUREMENT 12	40143	Float	2	R/W			
ACTUAT VAR 12	40143	Float	2	R/W			
UNIT 12	40145	Selection List	1	R/W			See StandardEnums
PARAMETER 12	40146	Selection List	1	R/W			See StandardEnums
LOCATION 13	40147	String	8	R/W			
MEASUREMENT 13	40155	Float	2	R/W			
ACTUAT VAR 13	40155	Float	2	R/W			
UNIT 13	40157	Selection List	1	R/W			See StandardEnums
PARAMETER 13	40158	Selection List	1	R/W			See StandardEnums
MEASUREMENT 14	40159	Float	2	R/W			

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
ACTUAT VAR 14	40159	Float	2	R/W			
UNIT 14	40161	Selection List	1	R/W			See StandardEnums
PARAMETER 14	40162	Selection List	1	R/W			See StandardEnums
MEASUREMENT 15	40163	Float	2	R/W			
ACTUAT VAR 15	40163	Float	2	R/W			
UNIT 15	40165	Selection List	1	R/W			See StandardEnums
PARAMETER 15	40166	Selection List	1	R/W			See StandardEnums
MEASUREMENT 16	40167	Float	2	R/W			
ACTUAT VAR 16	40167	Float	2	R/W			
UNIT 16	40169	Selection List	1	R/W			See StandardEnums
PARAMETER 16	40170	Selection List	1	R/W			See StandardEnums
MEAS INDICAT 1	40171	Unsigned Integer	1	R/W		0 /100	Measurement indicator probe 1
SERVICE DAYS 1	40172	Unsigned Integer	1	R/W		0 /1000	Service days probe 1
MEAS INDICAT 2	40173	Unsigned Integer	1	R/W		0 /100	Measurement indicator probe 2
SERVICE DAYS 2	40174	Unsigned Integer	1	R/W		0 /1000	Service days probe 2
MEAS INDICAT 3	40175	Unsigned Integer	1	R/W		0 /100	Measurement indicator probe 3
SERVICE DAYS 3	40176	Unsigned Integer	1	R/W		0 /1000	Service days probe 3
MEAS INDICAT 4	40177	Unsigned Integer	1	R/W		0 /100	Measurement indicator probe 4
SERVICE DAYS 4	40178	Unsigned Integer	1	R/W		0 /1000	Service days probe 4
MEAS INDICAT 5	40179	Unsigned Integer	1	R/W		0 /100	Measurement indicator probe 5
SERVICE DAYS 5	40180	Unsigned Integer	1	R/W		0 /1000	Service days probe 5
MEAS INDICAT 6	40181	Unsigned Integer	1	R/W		0 /100	Measurement indicator probe 6
SERVICE DAYS 6	40182	Unsigned Integer	1	R/W		0 /1000	Service days probe 6
MEAS INDICAT 7	40183	Unsigned Integer	1	R/W		0 /100	Measurement indicator probe 7
SERVICE DAYS 7	40184	Unsigned Integer	1	R/W		0 /1000	Service days probe 7

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
MEAS INDICAT 8	40185	Unsigned Integer	1	R/W		0 /100	Measurement indicator probe 8
SERVICE DAYS 8	40186	Unsigned Integer	1	R/W		0 /1000	Service days probe 8
MEAS INDICAT 8	40187	Unsigned Integer	1	R/W		0 /100	Measurement indicator probe 8
SERVICE DAYS 8	40188	Unsigned Integer	1	R/W		0 /1000	Service days probe 8
MEAS INDICAT 8	40189	Unsigned Integer	1	R/W		0 /100	Measurement indicator probe 8
SERVICE DAYS 8	40190	Unsigned Integer	1	R/W		0 /1000	Service days probe 8
MEAS INDICAT 8	40191	Unsigned Integer	1	R/W		0 /100	Measurement indicator probe 8
SERVICE DAYS 8	40192	Unsigned Integer	1	R/W		0 /1000	Service days probe 8
MEAS INDICAT 8	40193	Unsigned Integer	1	R/W		0 /100	Measurement indicator probe 8
SERVICE DAYS 8	40194	Unsigned Integer	1	R/W		0 /1000	Service days probe 8
MEAS INDICAT 8	40195	Unsigned Integer	1	R/W		0 /100	Measurement indicator probe 8
SERVICE DAYS 8	40196	Unsigned Integer	1	R/W		0 /1000	Service days probe 8
MEAS INDICAT 8	40197	Unsigned Integer	1	R/W		0 /100	Measurement indicator probe 8
SERVICE DAYS 8	40198	Unsigned Integer	1	R/W		0 /1000	Service days probe 8
MEAS INDICAT 8	40199	Unsigned Integer	1	R/W		0 /100	Measurement indicator probe 8
SERVICE DAYS 8	40200	Unsigned Integer	1	R/W		0 /1000	Service days probe 8
COAGUL. TYPE	40201	Float	2	R/W			
DIST PROFILE	40201	Float	2	R/W			
UNI PARAM 10	40201	Float	2	R/W			
POLYMER DOSING CONTROL	40201	Float	2	R/W			
MIN SLUDGE DRAW OFF	40201	Float	2	R/W		0 /999	
SRT MODE	40201	Float	2	R/W			
COAGUL. TYPE	40203	Float	2	R/W			
SETPOINT PO4-P	40203	Float	2	R/W		0.05 /99	

Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
UNI PARAM 11	40203	Float	2	R/W			
POLYMER DOSING CONTROL	40203	Float	2	R/W			
MIN SLUDGE DRAW OFF	40203	Float	2	R/W		0 /999	
SRT (MANUALLY)	40203	Float	2	R/W		5 /99	
SETPOINT O2	40205	Float	2	R/W		0.1 /10	
MAX O2	40205	Float	2	R/W		0.1 /10	
SETPOINT PO4-P	40205	Float	2	R/W		0.05 /99	
UNI PARAM 12	40205	Float	2	R/W			
FEED FLOW CONTROL	40205	Float	2	R/W			
MAX SLUDGE DRAW OFF	40205	Float	2	R/W		0 /9999	
DAILY SURPLUS MASS	40205	Float	2	R/W		0 /99999	
TSS MIXED LIQUOR	40205	Float	2	R/W		0 /99999	
SETPOINT O2	40207	Float	2	R/W		0.1 /10	
MAX O2	40207	Float	2	R/W		0.1 /10	
PROPORT. GAIN	40207	Float	2	R/W		0 /999	
UNI PARAM 13	40207	Float	2	R/W			
FEED FLOW CONTROL	40207	Float	2	R/W			
MAX SLUDGE DRAW OFF	40207	Float	2	R/W		0 /9999	
COD-TKN RATIO	40207	Float	2	R/W		1 /50	
P GAIN DO	40209	Float	2	R/W		0.1 /10	
MIN O2	40209	Float	2	R/W		0.1 /10	
PROPORT. GAIN	40209	Float	2	R/W		0 /999	
UNI PARAM 14	40209	Float	2	R/W			
CLOSED LOOP EFFLUENT C	40209	Float	2	R/W			
MIN TSS AERATION	40209	Float	2	R/W		0 /999	
MIN NITRIFERS CONC.	40209	Float	2	R/W		0.3 /10	
P GAIN DO	40211	Float	2	R/W		0.1 /10	
MIN O2	40211	Float	2	R/W		0.1 /10	
DERIVATIV.TIME	40211	Float	2	R/W		0 /999	

Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
UNI PARAM 15	40211	Float	2	R/W			
CLOSED LOOP EFFLUENT C	40211	Float	2	R/W			
MIN TSS AERATION	40211	Float	2	R/W		0 /999	
MAX NITRIFERS CONC.	40211	Float	2	R/W		0.3 /10	
DERIVATIVE TIME	40213	Float	2	R/W		0 /10	
DERIVATIV.TIME	40213	Float	2	R/W		0 /999	
UNI PARAM 16	40213	Float	2	R/W			
CLOSED LOOP FILTRATE C	40213	Float	2	R/W			
MAX TSS AERATION	40213	Float	2	R/W		0 /999	
MODEL CORRECTION FACT.	40213	Float	2	R/W		0.2 /5	
DERIVATIVE TIME	40215	Float	2	R/W		0 /10	
INTEGRALTIME	40215	Float	2	R/W		0 /999	
UNI PARAM 17	40215	Float	2	R/W			
CLOSED LOOP FILTRATE C	40215	Float	2	R/W			
MAX TSS AERATION	40215	Float	2	R/W		0 /999	
SUBSTIT. DO FOR MODEL	40215	Float	2	R/W		0.1 /9.9	
INT PART	40217	Float	2	R/W		0.05 /1	
INTEGRALTIME	40217	Float	2	R/W		0 /999	
UNI PARAM 18	40217	Float	2	R/W			
FACTOR POLYMER DOSING	40217	Float	2	R/W		0 /999	
P GAIN TSS	40217	Float	2	R/W		0 /999	
NH4-N SETPOINT	40217	Float	2	R/W		0.1 /9.9	
INT PART	40219	Float	2	R/W		0.05 /1	
DIST PROFILE	40219	Float	2	R/W			
UNI PARAM 19	40219	Float	2	R/W			
FACTOR POLYMER DOSING	40219	Float	2	R/W		0 /999	
P GAIN TSS	40219	Float	2	R/W		0 /999	

Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
P GAIN NH4	40219	Float	2	R/W		0.1 /10	
DAMPING	40221	Float	2	R/W		1 /99	
Q-IN CURRENT	40221	Float	2	R/W			
UNI PARAM 20	40221	Float	2	R/W			
POLYMER CONCENTRATION	40221	Float	2	R/W		0 /999	
SUBST. SLUDGE DRAW OFF	40221	Float	2	R/W		0 /999	
INTEGRAL TIME NH4	40221	Float	2	R/W		0 /99	
DAMPING	40223	Float	2	R/W		1 /99	
GAIN CORR	40223	Float	2	R/W		-99 /999	
UNI PARAM 21	40223	Float	2	R/W			
CONCENTRATION	40223	Float	2	R/W		0 /999	
SUBST. SLUDGE DRAW OFF	40223	Float	2	R/W		0 /999	
DERIV TIME NH4	40223	Float	2	R/W		0 /99	
P GAIN NH4+NO3	40225	Float	2	R/W		0.1 /10	
GAIN CORR	40225	Float	2	R/W		-99 /999	
UNI PARAM 22	40225	Float	2	R/W			
MANUAL POLYMER DOSING	40225	Float	2	R/W		0 /9999	
SUBST. TSS EFFLUENT	40225	Float	2	R/W		0 /999	
SETPOINT DO MIN	40225	Float	2	R/W		0.1 /9.9	
P GAIN NH4+NO3	40227	Float	2	R/W		0.1 /10	
BIO-P	40227	Float	2	R/W		0 /99	
UNI PARAM 23	40227	Float	2	R/W			
MANUAL POLYMER DOSING	40227	Float	2	R/W		0 /9999	
SUBST. TSS EFFLUENT	40227	Float	2	R/W		0 /999	
SETPOINT DO MAX	40227	Float	2	R/W		0.1 /9.9	
DERIV TIME NH4	40229	Float	2	R/W		0 /99	
BIO-P	40229	Float	2	R/W		0 /99	
UNI PARAM 24	40229	Float	2	R/W			
MANUAL FEED FLOW	40229	Float	2	R/W		0 /999	
SMOOTHING	40229	Float	2	R/W		0 /99	
SMOOTHING	40229	Float	2	R/W		1 /60	
DERIV TIME NH4	40231	Float	2	R/W		0 /99	

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
MIN DOS RATE	40231	Float	2	R/W		0 /999	
UNI PARAM 25	40231	Float	2	R/W			
MANUAL FEED FLOW	40231	Float	2	R/W		0 /999	
SMOOTHING	40231	Float	2	R/W		0 /99	
P GAIN DO	40231	Float	2	R/W		0.1 /2	
DERIV TIME NO3	40233	Float	2	R/W		0 /99	
MIN DOS RATE	40233	Float	2	R/W		0 /999	
UNI PARAM 26	40233	Float	2	R/W			
MAX DECREASE CLOSED L	40233	Float	2	R/W		0 /999	
PERIOD SRT CALCULATION	40233	Float	2	R/W		0 /28	
P GAIN DO	40233	Float	2	R/W		0.1 /2	
DERIV TIME NO3	40235	Float	2	R/W		0 /99	
MIN DOS RATE	40235	Float	2	R/W			
UNI PARAM 27	40235	Float	2	R/W			
LIMIT CLOSED LOOP LOW	40235	Float	2	R/W		0 /999	
PERIOD SRT CALCULATION	40235	Float	2	R/W		0 /28	
DERIVATIVE TIME	40235	Float	2	R/W		0 /5	
P GAIN NH4	40237	Float	2	R/W		0.1 /10	
MIN DOS RATE	40237	Float	2	R/W			
UNI PARAM 28	40237	Float	2	R/W			
MAX INCREASE CLOSED L	40237	Float	2	R/W		0 /999	
MIN DO AEROBIC SRT	40237	Float	2	R/W		0 /9	
DERIVATIVE TIME	40237	Float	2	R/W		0 /5	
P GAIN NH4	40239	Float	2	R/W		0.1 /10	
METAL CONTENT	40239	Float	2	R/W		0 /999	
UNI PARAM 29	40239	Float	2	R/W			
LIMIT CLOSED LOOP HIGH	40239	Float	2	R/W		0 /999	
MIN DO AEROBIC SRT	40239	Float	2	R/W		0 /9	
INT PART	40239	Float	2	R/W		0.05 /1	
P GAIN NO3	40241	Float	2	R/W		0.1 /10	
METAL CONTENT	40241	Float	2	R/W		0 /999	

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
UNI PARAM 30	40241	Float	2	R/W			
SET-POINT TSS	40241	Float	2	R/W		0 /999	
SRT SECURITY FACTOR	40241	Float	2	R/W		0 /9	
INT PART	40241	Float	2	R/W		0.05 /1	
P GAIN NO3	40243	Float	2	R/W		0.1 /10	
ATOMIC WEIGHT	40243	Float	2	R/W		0 /999	
UNI PARAM 31	40243	Float	2	R/W			
SET-POINT TSS	40243	Float	2	R/W		0 /999	
SRT SECURITY FACTOR	40243	Float	2	R/W		0 /9	
DAMPING	40243	Float	2	R/W		1 /99	
NH4-N MIN MIN	40245	Float	2	R/W		0.1 /99	
ATOMIC WEIGHT	40245	Float	2	R/W		0 /999	
UNI PARAM 32	40245	Float	2	R/W			
P GAIN TSS	40245	Float	2	R/W		0 /999	
GAIN CORR	40245	Float	2	R/W		0 /99	
DAMPING	40245	Float	2	R/W		1 /99	
NH4-N MIN MIN	40247	Float	2	R/W		0.1 /99	
MIN PUMP RANGE	40247	Float	2	R/W		0 /9999	
UNI PARAM 33	40247	Float	2	R/W			
P GAIN TSS	40247	Float	2	R/W		0 /999	
GAIN CORR	40247	Float	2	R/W		0 /99	
SUBST AERATION	40247	Float	2	R/W		0.3 /6	
SUBST AERATION	40247	Float	2	R/W		1 /6	
NITRI MIN	40249	Float	2	R/W		1 /999	
MIN PUMP RANGE	40249	Float	2	R/W		0 /9999	
UNI PARAM 34	40249	Float	2	R/W			
INTEGRAL TIME TSS	40249	Float	2	R/W		0 /999	
JANUARY	40249	Float	2	R/W		0 /99	
SUBST AERATION	40249	Float	2	R/W		0.3 /6	
SUBST AERATION	40249	Float	2	R/W		1 /6	
NITRI MIN	40251	Float	2	R/W		1 /999	
MAX PUMP RANGE	40251	Float	2	R/W		0 /99999	
UNI PARAM 35	40251	Float	2	R/W			
INTEGRAL TIME TSS	40251	Float	2	R/W		0 /999	
JANUARY	40251	Float	2	R/W		0 /99	

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
NO. OF STAGES	40251	Float	2	R/W		0.3 /6	
NITRI MAX	40253	Float	2	R/W		1 /999	
MAX PUMP RANGE	40253	Float	2	R/W		0 /99999	
UNI PARAM 36	40253	Float	2	R/W			
MAX RET SLUDGE	40253	Float	2	R/W		0 /999	
FEBRUARY	40253	Float	2	R/W		0 /99	
NO. OF STAGES	40253	Float	2	R/W		0.3 /6	
NITRI MAX	40255	Float	2	R/W		1 /999	
0/4...20mA	40255	Float	2	R/W			
UNI PARAM 37	40255	Float	2	R/W			
MAX RET SLUDGE	40255	Float	2	R/W		0 /999	
FEBRUARY	40255	Float	2	R/W		0 /99	
AERATION ALWAYS ON	40255	Float	2	R/W			
NO. OF STAGES	40257	Float	2	R/W			
0/4...20mA	40257	Float	2	R/W			
UNI PARAM 38	40257	Float	2	R/W			
SET-POINT FILT	40257	Float	2	R/W		0 /999	
MARCH	40257	Float	2	R/W		0 /99	
AERATION ALWAYS ON	40257	Float	2	R/W			
NO. OF STAGES	40259	Float	2	R/W			
CONTROL CYCLE	40259	Float	2	R/W		1 /9999	
UNI PARAM 39	40259	Float	2	R/W			
SET-POINT FILT	40259	Float	2	R/W		0 /999	
MARCH	40259	Float	2	R/W		0 /99	
MIN INFLOW	40259	Float	2	R/W		0 /99999	
NITRI SUBST.	40261	Float	2	R/W		1 /999	
CONTROL CYCLE	40261	Float	2	R/W		1 /9999	

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
UNI PARAM 40	40261	Float	2	R/W			
P GAIN FILT	40261	Float	2	R/W		0 /999	
APRIL	40261	Float	2	R/W		0 /99	
MIN INFLOW	40261	Float	2	R/W		0 /99999	
NITRI SUBST.	40263	Float	2	R/W		1 /999	
MIN RUNTIME	40263	Float	2	R/W		1 /999	
PARAMETER 41	40263	Float	2	R/W			
P GAIN FILT	40263	Float	2	R/W		0 /999	
APRIL	40263	Float	2	R/W		0 /99	
MAX INFLOW	40263	Float	2	R/W		0 /99999	
DENITRI SUBST.	40265	Float	2	R/W		1 /999	
MIN RUNTIME	40265	Float	2	R/W		1 /999	
UNI PARAM 42	40265	Float	2	R/W			
INTEGRAL TIME FILT	40265	Float	2	R/W		0 /999	
MAY	40265	Float	2	R/W		0 /99	
MAX INFLOW	40265	Float	2	R/W		0 /99999	
DENITRI SUBST.	40267	Float	2	R/W		1 /999	
MIN Q-INFLOW	40267	Float	2	R/W		0 /9999	
UNI PARAM 43	40267	Float	2	R/W			
INTEGRAL TIME FILT	40267	Float	2	R/W		0 /999	
MAY	40267	Float	2	R/W		0 /99	
0/4...20mA	40267	Float	2	R/W			
DENITRI MIN	40269	Float	2	R/W		1 /999	
MIN Q-INFLOW	40269	Float	2	R/W		0 /9999	
UNI PARAM 44	40269	Float	2	R/W			
MAX RET SLUDGE	40269	Float	2	R/W		0 /999	
JUNE	40269	Float	2	R/W		0 /99	
0/4...20mA	40269	Float	2	R/W			
DENITRI MIN	40271	Float	2	R/W		1 /999	
MAX Q-INFLOW	40271	Float	2	R/W		0 /99999	
UNI PARAM 45	40271	Float	2	R/W			
MAX RET SLUDGE	40271	Float	2	R/W		0 /999	
JUNE	40271	Float	2	R/W		0 /99	

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
DISTR. CHAN1/CHAN2	40271	Float	2	R/W		0 /100	
DENITRI MAX	40273	Float	2	R/W		1 /999	
MAX Q-INFLOW	40273	Float	2	R/W		0 /99999	
UNI PARAM 46	40273	Float	2	R/W			
FEED FLOW LOW	40273	Float	2	R/W		0 /999	
JULY	40273	Float	2	R/W		0 /99	
MIN RECIRCULATION	40273	Float	2	R/W		0 /99999	
DENITRI MAX	40275	Float	2	R/W		1 /999	
Q-IN CURRENT	40275	Float	2	R/W			
UNI PARAM 47	40275	Float	2	R/W			
FEED FLOW LOW	40275	Float	2	R/W		0 /999	
JULY	40275	Float	2	R/W		0 /99	
MIN RECIRCULATION	40275	Float	2	R/W		0 /99999	
START N/DN	40277	Float	2	R/W			
Q-IN CURRENT	40277	Float	2	R/W			
UNI PARAM 48	40277	Float	2	R/W			
FEED FLOW HIGH	40277	Float	2	R/W		0 /999	
AUGUST	40277	Float	2	R/W		0 /99	
MAX RECIRCULATION	40277	Float	2	R/W		0 /99999	
START N/DN	40279	Float	2	R/W			
PRECIP. TYPE	40279	Float	2	R/W		0 /99	
UNI PARAM 49	40279	Float	2	R/W			
FEED FLOW HIGH	40279	Float	2	R/W		0 /999	
AUGUST	40279	Float	2	R/W		0 /99	
MAX RECIRCULATION	40279	Float	2	R/W		0 /99999	
0/4...20mA	40281	Float	2	R/W			
NH4/NO3 WEIGHT	40281	Float	2	R/W		0.1 /10	
MIN RET SLUDGE	40281	Float	2	R/W		0 /9999	
UNI PARAM 50	40281	Float	2	R/W			

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
FEED FLOW SMOOTHING	40281	Float	2	R/W		0 /999	
SEPTEMBER	40281	Float	2	R/W		0 /99	
0/4...20mA	40283	Float	2	R/W			
NH4/NO3 WEIGHT	40283	Float	2	R/W		0.1 /10	
MIN RET SLUDGE	40283	Float	2	R/W		0 /9999	
UNI PARAM 51	40283	Float	2	R/W			
FEED FLOW SMOOTHING	40283	Float	2	R/W		0 /999	
SEPTEMBER	40283	Float	2	R/W		0 /99	
Q RECI RATIO	40285	Float	2	R/W		0 /999	
C/N/P-MAX MAX	40285	Float	2	R/W		0 /999	
MAX RET SLUDGE	40285	Float	2	R/W		0 /99999	
UNI PARAM 52	40285	Float	2	R/W			
TSS INFLUENT LOW	40285	Float	2	R/W		0 /999	
OCTOBER	40285	Float	2	R/W		0 /99	
Q RECI RATIO	40287	Float	2	R/W		0 /999	
C/N/P-MAX MAX	40287	Float	2	R/W		0 /999	
MAX RET SLUDGE	40287	Float	2	R/W		0 /99999	
UNI PARAM 53	40287	Float	2	R/W			
TSS INFLUENT LOW	40287	Float	2	R/W		0 /999	
OCTOBER	40287	Float	2	R/W		0 /99	
TSS INFLUENT HIGH	40289	Float	2	R/W		0 /999	
NOVEMBER	40289	Float	2	R/W		0 /99	
MIN RET SLUDGE	40289	Float	2	R/W		0 /99999	
NH4-N	40289	Float	2	R/W		0.1 /99	
Q RET RATIO	40289	Float	2	R/W		0 /999	
UNI PARAM 54	40289	Float	2	R/W			
UNI PARAM 55	40291	Float	2	R/W			
TSS INFLUENT HIGH	40291	Float	2	R/W		0 /999	
NOVEMBER	40291	Float	2	R/W		0 /99	
MIN RET SLUDGE	40291	Float	2	R/W		0 /99999	
NH4-N	40291	Float	2	R/W		0.1 /99	
Q RET RATIO	40291	Float	2	R/W		0 /999	
UNI PARAM 56	40293	Float	2	R/W			

Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
TSS INFLUENT SMOOTHING	40293	Float	2	R/W		0 /999	
DECEMBER	40293	Float	2	R/W		0 /99	
MAX RET SLUDGE	40293	Float	2	R/W		0 /99999	
NO3-N	40293	Float	2	R/W		0.1 /99	
Q INFL SMOOTH	40293	Float	2	R/W		1 /99	
UNI PARAM 57	40295	Float	2	R/W			
TSS INFLUENT SMOOTHING	40295	Float	2	R/W		0 /999	
DECEMBER	40295	Float	2	R/W		0 /99	
MAX RET SLUDGE	40295	Float	2	R/W		0 /99999	
NO3-N	40295	Float	2	R/W		0.1 /99	
PRESELECTION	40295	Float	2	R/W		0.05 /99999.99	
UNI PARAM 58	40297	Float	2	R/W			
TSS EFFLUENT LOW	40297	Float	2	R/W		0 /999	
MONDAY	40297	Float	2	R/W		0 /99	
0/4...20mA	40297	Float	2	R/W			
TIME INITPHASE	40297	Float	2	R/W		0 /100	
0 .. 2 h	40297	Float	2	R/W		0 /99999.99	
UNI PARAM 59	40299	Float	2	R/W			
TSS EFFLUENT LOW	40299	Float	2	R/W		0 /999	
MONDAY	40299	Float	2	R/W		0 /99	
0/4...20mA	40299	Float	2	R/W			
TIME INITPHASE	40299	Float	2	R/W		0 /100	
2 .. 4 h	40299	Float	2	R/W		0 /99999.99	
SUBST AERATION	40301	Float	2	R/W		0.3 /6	
UNI PARAM 60	40301	Float	2	R/W			
TSS EFFLUENT HIGH	40301	Float	2	R/W		0 /999	
TUESDAY	40301	Float	2	R/W		0 /99	
Q RET RATIO	40301	Float	2	R/W		0 /999	
SUBST AERATION	40301	Float	2	R/W		1 /6	
4 .. 6 h	40301	Float	2	R/W		0 /99999.99	
6 .. 8 h	40303	Float	2	R/W		0 /99999.99	
SUBST AERATION	40303	Float	2	R/W		1 /6	
SUBST AERATION	40303	Float	2	R/W		0.3 /6	
UNI PARAM 61	40303	Float	2	R/W			

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
TSS EFFLUENT HIGH	40303	Float	2	R/W		0 /999	
TUESDAY	40303	Float	2	R/W		0 /99	
Q RET RATIO	40303	Float	2	R/W		0 /999	
8 .. 10 h	40305	Float	2	R/W		0 /99999.99	
SETPOINT DO MIN	40305	Float	2	R/W		0 /9.9	
UNI PARAM 62	40305	Float	2	R/W			
TSS EFFLUENT SMOOTHING	40305	Float	2	R/W		0 /999	
WEDNESDAY	40305	Float	2	R/W		0 /99	
MIN DO SETTING	40305	Float	2	R/W		0 /99	
10 .. 12 h	40307	Float	2	R/W		0 /99999.99	
SETPOINT DO MIN	40307	Float	2	R/W		0 /9.9	
UNI PARAM 63	40307	Float	2	R/W			
TSS EFFLUENT SMOOTHING	40307	Float	2	R/W		0 /999	
WEDNESDAY	40307	Float	2	R/W		0 /99	
MIN DO SETTING	40307	Float	2	R/W		0 /99	
12 .. 14 h	40309	Float	2	R/W		0 /99999.99	
SETPOINT DO MAX	40309	Float	2	R/W		0 /9.9	
UNI PARAM 64	40309	Float	2	R/W			
POLYMER DOSING MINIMUM	40309	Float	2	R/W		0 /999	
THURSDAY	40309	Float	2	R/W		0 /99	
MAX DO SETTING	40309	Float	2	R/W		0 /99	
14 .. 16 h	40311	Float	2	R/W		0 /99999.99	
SETPOINT DO MAX	40311	Float	2	R/W		0 /9.9	
UNI PARAM 65	40311	Float	2	R/W			
POLYMER DOSING MINIMUM	40311	Float	2	R/W		0 /999	
THURSDAY	40311	Float	2	R/W		0 /99	
MAX DO SETTING	40311	Float	2	R/W		0 /99	
16 .. 18 h	40313	Float	2	R/W		0 /99999.99	
BLOCKING TIME FORW.	40313	Float	2	R/W		0 /99	
UNI PARAM 66	40313	Float	2	R/W			
POLYMER DOSING MAXIMUM	40313	Float	2	R/W		0 /99999	
FRIDAY	40313	Float	2	R/W		0 /99	
0/4...20mA	40313	Float	2	R/W			

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
18 .. 20 h	40315	Float	2	R/W		0 /99999.99	
BLOCKING TIME FORW.	40315	Float	2	R/W		0 /99	
UNI PARAM 67	40315	Float	2	R/W			
POLYMER DOSING MAXIMUM	40315	Float	2	R/W		0 /99999	
FRIDAY	40315	Float	2	R/W		0 /99	
0/4...20mA	40315	Float	2	R/W			
20 .. 22 h	40317	Float	2	R/W		0 /99999.99	
BLOCKING TIME BACK	40317	Float	2	R/W		0 /99	
UNI PARAM 68	40317	Float	2	R/W			
MIN FEED FLOW	40317	Float	2	R/W		0 /999	
SATURDAY	40317	Float	2	R/W		0 /99	
VOLUME	40317	Float	2	R/W		0 /99999	
22 .. 0 h	40319	Float	2	R/W		0 /99999.99	
BLOCKING TIME BACK	40319	Float	2	R/W		0 /99	
UNI PARAM 69	40319	Float	2	R/W			
MIN FEED FLOW	40319	Float	2	R/W		0 /999	
SATURDAY	40319	Float	2	R/W		0 /99	
VOLUME	40319	Float	2	R/W		0 /99999	
0 .. 2 h	40321	Float	2	R/W		0 /99999.99	
START STAGE MIN	40321	Float	2	R/W		1 /6	
START STAGE MIN	40321	Float	2	R/W		0.1 /6	
UNI PARAM 70	40321	Float	2	R/W			
MAX FEED FLOW	40321	Float	2	R/W		0 /999	
SUNDAY	40321	Float	2	R/W		0 /99	
BLOCKING TIME FORW.	40321	Float	2	R/W		0 /99	
2 .. 4 h	40323	Float	2	R/W		0 /99999.99	
START STAGE MIN	40323	Float	2	R/W		1 /6	
START STAGE MIN	40323	Float	2	R/W		0.1 /6	
UNI PARAM 71	40323	Float	2	R/W			
MAX FEED FLOW	40323	Float	2	R/W		0 /999	
SUNDAY	40323	Float	2	R/W		0 /99	
BLOCKING TIME FORW.	40323	Float	2	R/W		0 /99	
4 .. 6 h	40325	Float	2	R/W		0 /99999.99	

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
START STAGE DURATION	40325	Float	2	R/W		0 /99	
UNI PARAM 72	40325	Float	2	R/W			
0/4...20mA	40325	Float	2	R/W			
MIN INFLOW	40325	Float	2	R/W		0 /99999	
BLOCKING TIME BACK	40325	Float	2	R/W		0 /99	
6 .. 8 h	40327	Float	2	R/W		0 /99999.99	
START STAGE DURATION	40327	Float	2	R/W		0 /99	
UNI PARAM 73	40327	Float	2	R/W			
0/4...20mA	40327	Float	2	R/W			
MIN INFLOW	40327	Float	2	R/W		0 /99999	
BLOCKING TIME BACK	40327	Float	2	R/W		0 /99	
8 .. 10 h	40329	Float	2	R/W		0 /99999.99	
START STAGE END	40329	Float	2	R/W		50 /500	
UNI PARAM 74	40329	Float	2	R/W			
MIN POLYMER FLOW	40329	Float	2	R/W		0 /9999	
MAX INFLOW	40329	Float	2	R/W		0 /99999	
MIXING PAUSE	40329	Float	2	R/W		0 /99	
10 .. 12 h	40331	Float	2	R/W		0 /99999.99	
START STAGE END	40331	Float	2	R/W		50 /500	
UNI PARAM 75	40331	Float	2	R/W			
MIN POLYMER FLOW	40331	Float	2	R/W		0 /9999	
MAX INFLOW	40331	Float	2	R/W		0 /99999	
MIXING PAUSE	40331	Float	2	R/W		0 /99	
12 .. 14 h	40333	Float	2	R/W		0 /99999.99	
START STAGE MEMORY	40333	Float	2	R/W		0 /99	
UNI PARAM 76	40333	Float	2	R/W			
MAX POLYMER FLOW	40333	Float	2	R/W		0 /9999	
0/4...20mA	40333	Float	2	R/W			
MIXING DURATION	40333	Float	2	R/W		0 /999	

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
14 .. 16 h	40335	Float	2	R/W		0 /99999.99	
START STAGE MEMORY	40335	Float	2	R/W		0 /99	
UNI PARAM 77	40335	Float	2	R/W			
MAX POLYMER FLOW	40335	Float	2	R/W		0 /9999	
0/4...20mA	40335	Float	2	R/W			
MIXING DURATION	40335	Float	2	R/W		0 /999	
16 .. 18 h	40337	Float	2	R/W		0 /99999.99	
MIXING PAUSE	40337	Float	2	R/W		0 /99	
UNI PARAM 78	40337	Float	2	R/W			
0/4...20mA	40337	Float	2	R/W			
MIN EFFLUENT	40337	Float	2	R/W		0 /99999	
MIXING INTENSITY	40337	Float	2	R/W		10 /100	
18 .. 20 h	40339	Float	2	R/W		0 /99999.99	
MIXING PAUSE	40339	Float	2	R/W		0 /99	
UNI PARAM 79	40339	Float	2	R/W			
0/4...20mA	40339	Float	2	R/W			
MIN EFFLUENT	40339	Float	2	R/W		0 /99999	
MIXING INTENSITY	40339	Float	2	R/W		10 /100	
20 .. 22 h	40341	Float	2	R/W		0 /99999.99	
MIXING DURATION	40341	Float	2	R/W		0 /999	
UNI PARAM 80	40341	Float	2	R/W			
MIN FEED FLOW	40341	Float	2	R/W		0 /999	
MAX EFFLUENT	40341	Float	2	R/W		0 /99999	
VFD I MIN 1	40341	Float	2	R/W		0 /100	
22 .. 0 h	40343	Float	2	R/W		0 /99999.99	
MIXING DURATION	40343	Float	2	R/W		0 /999	
UNI PARAM 81	40343	Float	2	R/W			
MIN FEED FLOW	40343	Float	2	R/W		0 /999	
MAX EFFLUENT	40343	Float	2	R/W		0 /99999	
VFD I MIN 1	40343	Float	2	R/W		0 /100	
MONDAY	40345	Float	2	R/W		1 /999	
MIXING INTENSITY	40345	Float	2	R/W		10 /100	

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
UNI PARAM 82	40345	Float	2	R/W			
MAX FEED FLOW	40345	Float	2	R/W		0 /999	
0/4...20mA	40345	Float	2	R/W			
VFD I MIN 2	40345	Float	2	R/W		0 /100	
TUESDAY	40347	Float	2	R/W		1 /999	
MIXING INTENSITY	40347	Float	2	R/W		10 /100	
UNI PARAM 83	40347	Float	2	R/W			
MAX FEED FLOW	40347	Float	2	R/W		0 /999	
0/4...20mA	40347	Float	2	R/W			
VFD I MIN 2	40347	Float	2	R/W		0 /100	
WEDNESDAY	40349	Float	2	R/W		1 /999	
COAGUL. TYPE	40349	Float	2	R/W		0 /100	
UNI PARAM 84	40349	Float	2	R/W			
0/4...20mA	40349	Float	2	R/W			
MIN SLUDGE DRAW OFF	40349	Float	2	R/W		0 /99999	
P MIN AERATOR 1	40349	Float	2	R/W		0 /100	
THURSDAY	40351	Float	2	R/W		1 /999	
COAGUL. TYPE	40351	Float	2	R/W		0 /100	
UNI PARAM 85	40351	Float	2	R/W			
0/4...20mA	40351	Float	2	R/W			
MIN SLUDGE DRAW OFF	40351	Float	2	R/W		0 /99999	
P MIN AERATOR 1	40351	Float	2	R/W		0 /100	
FRIDAY	40353	Float	2	R/W		1 /999	
COAGUL. TYPE	40353	Float	2	R/W		0 /100	
UNI PARAM 86	40353	Float	2	R/W			
MIN POLYMER FLOW	40353	Float	2	R/W		0 /9999	
MAX SLUDGE DRAW OFF	40353	Float	2	R/W		0 /99999	
P MIN AERATOR 2	40353	Float	2	R/W		0 /100	
SATURDAY	40355	Float	2	R/W		1 /999	

Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
COAGUL. TYPE	40355	Float	2	R/W		0 /100	
UNI PARAM 87	40355	Float	2	R/W			
MIN POLYMER FLOW	40355	Float	2	R/W		0 /9999	
MAX SLUDGE DRAW OFF	40355	Float	2	R/W		0 /99999	
P MIN AERATOR 2	40355	Float	2	R/W		0 /100	
SUNDAY	40357	Float	2	R/W		1 /999	
IN NITRI ALWAYS ON	40357	Float	2	R/W			
UNI PARAM 88	40357	Float	2	R/W			
MAX POLYMER FLOW	40357	Float	2	R/W		0 /9999	
0/4...20mA	40357	Float	2	R/W			
P MAX AER.2 / AER. 1	40357	Float	2	R/W		0 /4	
P MAX AER.2 / AER. 1	40357	Float	2	R/W		0 /2	
PRECIP. TYPE	40359	Float	2	R/W			
IN NITRI ALWAYS ON	40359	Float	2	R/W			
UNI PARAM 89	40359	Float	2	R/W			
MAX POLYMER FLOW	40359	Float	2	R/W		0 /9999	
0/4...20mA	40359	Float	2	R/W			
P MAX AER.2 / AER. 1	40359	Float	2	R/W		0 /4	
P MAX AER.2 / AER. 1	40359	Float	2	R/W		0 /2	
PRECIP. TYPE	40361	Float	2	R/W			
P MIN AERATOR 1	40361	Float	2	R/W		0 /100	
0/4...20mA	40361	Float	2	R/W			
MIN SLUDGE DRAW OFF	40361	Float	2	R/W		0 /9999	
P MIN AERATOR 1	40363	Float	2	R/W		0 /100	
0/4...20mA	40363	Float	2	R/W			

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
MIN SLUDGE DRAW OFF	40363	Float	2	R/W		0 /9999	
P MIN AERATOR 2	40365	Float	2	R/W		0 /100	
CONTROL CYCLE	40365	Float	2	R/W		0 /9999	
MAX SLUDGE DRAW OFF	40365	Float	2	R/W		0 /9999	
P MIN AERATOR 2	40367	Float	2	R/W		0 /100	
CONTROL CYCLE	40367	Float	2	R/W		0 /9999	
MAX SLUDGE DRAW OFF	40367	Float	2	R/W		0 /9999	
P MAX AER.2 / AER. 1	40369	Float	2	R/W		0 /2	
P MAX AER.2 / AER. 1	40369	Float	2	R/W		0 /4	
MIN RUNTIME	40369	Float	2	R/W		0 /9999	
0/4...20mA	40369	Float	2	R/W			
P MAX AER.2 / AER. 1	40371	Float	2	R/W		0 /2	
P MAX AER.2 / AER. 1	40371	Float	2	R/W		0 /4	
MIN RUNTIME	40371	Float	2	R/W		0 /9999	
0/4...20mA	40371	Float	2	R/W			
LOCATION	40373	String	8	R/W			
ADDRESS	40381	Selection List	1	R/W	1 /21 /41 /61 /81 /101 /121 /141 /161 /181		
RTC MODE	40382	Selection List	1	R/W	65535 /65534 /0 /2 /1 /6 /5 /7 /8 /9 /12 /13 /24 /25 /28 /29 /56 /57 /60 /61 /64 /65 /66 /67 /68 /69 /72 /73 /76 /77 /128 /129 /144 /145 /176 /177 /1024 /1025 /1026 /1027		
DATALOG INTRVL	40383	Selection List	1	R/W	0 /1 /2 /3 /5 /10 /15 /20 /30 /60		
PROGNOSYS	40384	Selection List	1	R/W	29 /28		
DATA ORDER	40385	Selection List	1	R/W	0 /1		
PROCESS	40386	Unsigned Integer	1	R/W		0 /0	
MENUFUNCTION	40387	Unsigned Integer	1	R/W		0 /0	
SOFTWARE VERS	40388	Float	2	R			
CHANNEL	40390	Unsigned Integer	1	R/W		0 /65535	
RTC COMM TO	40391	Float	2	R			

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
RTC CRC	40393	Selection List	1	R	0 /1		
RTCCommTOUnit	40394	Selection List	1	R	U15 /16 /17 /165		
EEPROM	40395	Selection List	1	R	0 /1		
WriteAccess	40396	Selection List	1	R/W	0 /1		
MODBUS ADDRESS	40397	Unsigned Integer	1	R		0 /65535	
RTCMeasurement1	40398	Unsigned Integer	1	R/W		0 /0	
RTCMeasurement2	40399	Unsigned Integer	1	R/W		0 /0	
RTCMeasurement3	40400	Unsigned Integer	1	R/W		0 /0	
RTCMeasurement4	40401	Unsigned Integer	1	R/W		0 /0	
RTCMeasurement5	40402	Unsigned Integer	1	R/W		0 /0	
RTCMeasurement6	40403	Unsigned Integer	1	R/W		0 /0	
RTCMeasurement7	40404	Unsigned Integer	1	R/W		0 /0	
RTCMeasurement8	40405	Unsigned Integer	1	R/W		0 /0	
RTCMeasurement9	40406	Unsigned Integer	1	R/W		0 /0	
RTCMeasurement10	40407	Unsigned Integer	1	R/W		0 /0	
RTCMeasurement11	40408	Unsigned Integer	1	R/W		0 /0	
RTCMeasurement12	40409	Unsigned Integer	1	R/W		0 /0	
RTCMeasurement13	40410	Unsigned Integer	1	R/W		0 /0	
RTCMeasurement14	40411	Unsigned Integer	1	R/W		0 /0	
RTCMeasurement15	40412	Unsigned Integer	1	R/W		0 /0	
RTCMeasurement16	40413	Unsigned Integer	1	R/W		0 /0	
LOCATION 14	40414	String	8	R/W			
LOCATION 15	40422	String	8	R/W			
LOCATION 16	40430	String	8	R/W			
VERSION	40438	Float	2	R			
DEVICE	40440	String	8	R			
LOCATION	40448	String	8	R			
ALARM	40456	Integer	1	R/W		0 /200	
ALARM	40457	Integer	1	R/W		0 /100	
MEAS. INDICAT	40458	Unsigned Integer	1	R		0 /65535	
SERVICE INDICAT	40459	Unsigned Integer	1	R		0 /65535	

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
SelectedRow1Culomn1	40460	String	8	R			
DRIVER VERS	40460	String	8	R			
SelectedRow2Culomn1	40468	String	8	R			
SelectedRow3Culomn1	40476	String	8	R			
SelectedRow4Culomn1	40484	String	8	R			
SelectedRow5Culomn1	40492	String	8	R			
SelectedRow1Culomn2	40500	String	8	R			
SelectedRow2Culomn2	40508	String	8	R			
SelectedRow3Culomn2	40516	String	8	R			
SelectedRow4Culomn2	40524	String	8	R			
SelectedRow5Culomn2	40532	String	8	R			
	40532	Unsigned Integer	1	R		0 /65535	
	40532	Unsigned Integer	1	R		0 /65535	
	40533	Unsigned Integer	1	R		0 /65535	
	40533	Unsigned Integer	1	R		0 /65535	
	40534	Unsigned Integer	1	R		0 /65535	
	40534	Unsigned Integer	1	R		0 /65535	
	40535	Unsigned Integer	1	R		0 /65535	
	40535	Unsigned Integer	1	R		0 /65535	
	40536	Unsigned Integer	1	R		0 /65535	
	40536	Unsigned Integer	1	R		0 /65535	
FillTag DontMove	40537	String	3	R/W			
InversVideo	40540	Unsigned Integer	1	R/W		0 /65535	
Hidden	40541	Unsigned Integer	1	R/W		0 /65535	
POLYMER DOSING CONTROL	40542	Selection List	1	R/W	29 /28		
PRECIP. TYPE	40542	Selection List	1	R/W	32 /33 /34		

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
START N/DN	40542	Selection List	1	R/W	31 /30		
0/4...20mA	40542	Selection List	1	R/W	24 /25		
SRT MODE	40542	Selection List	1	R/W	43 /44 /45		
POLYMER DOSING CONTROL	40543	Selection List	1	R/W	29 /28		
PRECIP. TYPE	40543	Selection List	1	R/W	32 /33 /34		
START N/DN	40543	Selection List	1	R/W	31 /30		
0/4...20mA	40543	Selection List	1	R/W	24 /25		
0/4...20mA	40543	Selection List	1	R/W	24 /25		
FEED FLOW CONTROL	40544	Selection List	1	R/W	29 /28		
SCALE 0mA/4mA	40544	Selection List	1	R/W	24 /25		
NO. OF STAGES	40544	Unsigned Integer	1	R/W		1 /6	
0/4...20mA	40544	Selection List	1	R/W	24 /25		
0/4...20mA	40544	Selection List	1	R/W	24 /25		
FEED FLOW CONTROL	40545	Selection List	1	R/W	29 /28		
SCALE 0mA/4mA	40545	Selection List	1	R/W	24 /25		
NO. OF STAGES	40545	Unsigned Integer	1	R/W		1 /6	
0/4...20mA	40545	Selection List	1	R/W	24 /25		
0/4...20mA	40545	Selection List	1	R/W	24 /25		
CLOSED LOOP EFFLUENT C	40546	Selection List	1	R/W	29 /28		
SCALE 0mA/4mA	40546	Selection List	1	R/W	24 /25		
PRESELECT PROGAM	40546	Selection List	1	R	0 /1 /2 /3		
0/4...20mA	40546	Selection List	1	R/W	24 /25		
0/4...20mA	40546	Selection List	1	R/W	24 /25		
CLOSED LOOP EFFLUENT C	40547	Selection List	1	R/W	29 /28		
SCALE 0mA/4mA	40547	Selection List	1	R/W	24 /25		
PRESELECT PROGAM	40547	Selection List	1	R	0 /1 /2 /3		
0/4...20mA	40547	Selection List	1	R/W	24 /25		
0/4...20mA	40547	Selection List	1	R/W	24 /25		
0/4...20mA	40548	Selection List	1	R/W	24 /25		

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
SCALE 0mA/4mA	40548	Selection List	1	R/W	24 /25		
0/4...20mA	40548	Selection List	1	R/W	24 /25		
0/4...20mA	40548	Selection List	1	R/W	24 /25		
0/4...20mA	40549	Selection List	1	R/W	24 /25		
SCALE 0mA/4mA	40549	Selection List	1	R/W	24 /25		
0/4...20mA	40549	Selection List	1	R/W	24 /25		
0/4...20mA	40549	Selection List	1	R/W	24 /25		
0/4...20mA	40550	Selection List	1	R/W	24 /25		
IN NITRI ALWAYS ON	40550	Selection List	1	R/W	29 /28		
SRT MODE	40550	Selection List	1	R/W	43 /44		
0/4...20mA	40550	Selection List	1	R/W	24 /25		
0/4...20mA	40551	Selection List	1	R/W	24 /25		
IN NITRI ALWAYS ON	40551	Selection List	1	R/W	29 /28		
SRT MODE	40551	Selection List	1	R/W	43 /44		
AERATION ALWAYS ON	40551	Selection List	1	R/W	29 /28		
0/4...20mA	40552	Selection List	1	R/W	24 /25		
CNP OVERRIDES MAX NIT.	40552	Selection List	1	R/W	29 /28		
AERATION ALWAYS ON	40552	Selection List	1	R/W	29 /28		
0/4...20mA	40553	Selection List	1	R/W	24 /25		
CNP OVERRIDES MAX NIT.	40553	Selection List	1	R/W	29 /28		
0/4...20mA	40554	Selection List	1	R/W	24 /25		
CNP OVERRIDES MAX NIT.	40554	Selection List	1	R/W	29 /28		
0/4...20mA	40555	Selection List	1	R/W	24 /25		
CNP OVERRIDES MAX NIT.	40555	Selection List	1	R/W	29 /28		
CLOSED LOOP FILTRATE C	40556	Selection List	1	R/W	29 /28		
CLOSED LOOP FILTRATE C	40557	Selection List	1	R/W	29 /28		
LOCATION	40558	String	8	R/W			
ERROR	40566	Selection List	1	R/W	0 /1 /2 /3 /4 /5 /6 /15 /16 /17 /18 /19 /20		
PARSER CHANNEL	40567	Unsigned Integer	1	R		0 /65535	

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
PARSER MOD ADDRESS	40568	Unsigned Integer	1	R		0 /65535	
MODBUS ADDRESS	40568	Unsigned Integer	1	R		0 /65535	
PARSER ERROR KANAL	40569	Unsigned Integer	1	R		0 /65535	
PARSER ERROR MOD ADDR	40570	Unsigned Integer	1	R		0 /65535	
RTC VERSION	40571	Float	2	R		0 /3.402823466 38529E+38	
RTC REPLY DELAY	40573	Unsigned Integer	1	R/W		0 /5000	
COUNTERS	40574	Unsigned Integer	1	R		0 /65535	
UART REAKTIVIERUNGEN	40575	Unsigned Integer	1	R		0 /65535	
UART REAKTIVIERUNGEN	40576	Unsigned Integer	1	R		0 /65535	
Dummy	40577	String	2	R			
CurrentStatusTextCh1	40579	Selection List	1	R/W	0 /1 /2 /3 /5 /6 /7 /10 /11 /15 /16 /17 /18 /19 /21 /22 /23 /26 /27 /31 /32		
CurrentStatusTextCh2	40580	Selection List	1	R/W	0 /1 /2 /3 /5 /6 /7 /10 /11 /15 /16 /17 /18 /19 /21 /22 /23 /26 /27 /31 /32		
WTOSGatewayMap1	40581	Unsigned Integer	1	R		0 /65535	
WTOSGatewayMap2	40582	Unsigned Integer	1	R		0 /65535	
WTOSGatewayMap3	40583	Unsigned Integer	1	R		0 /65535	
WTOSGatewayMap4	40584	Unsigned Integer	1	R		0 /65535	
PrognosysServiceOffset	40585	Integer	1	R/W		-32768 /32767	
	40586	Unsigned Integer	1	R/W		0 /65535	
	40587	Unsigned Integer	1	R/W		0 /32767	
	40588	Unsigned Integer	1	R/W		0 /100	
	40589	Unsigned Integer	1	R/W		0 /100	
	40590	Unsigned Integer	1	R/W		0 /32767	
	40591	Unsigned Integer	1	R/W		0 /100	

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
	40592	Unsigned Integer	1	R/W		0 /100	
	40593	Unsigned Integer	1	R/W		0 /32767	
	40594	Unsigned Integer	1	R/W		0 /100	
	40595	Unsigned Integer	1	R/W		0 /100	
	40596	Unsigned Integer	1	R/W		0 /32767	
	40597	Unsigned Integer	1	R/W		0 /100	
	40598	Unsigned Integer	1	R/W		0 /100	
	40599	Unsigned Integer	1	R/W		0 /32767	
	40600	Unsigned Integer	1	R/W		0 /100	
	40601	Unsigned Integer	1	R/W		0 /100	
	40602	Unsigned Integer	1	R/W		0 /32767	
	40603	Unsigned Integer	1	R/W		0 /100	
	40604	Unsigned Integer	1	R/W		0 /100	
	40605	Unsigned Integer	1	R/W		0 /32767	
	40606	Unsigned Integer	1	R/W		0 /100	
	40607	Unsigned Integer	1	R/W		0 /100	

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
	40608	Unsigned Integer	1	R/W		0 /32767	
	40609	Unsigned Integer	1	R/W		0 /100	
	40610	Unsigned Integer	1	R/W		0 /100	
	40611	Unsigned Integer	1	R/W		0 /32767	
	40612	Unsigned Integer	1	R/W		0 /100	
	40613	Unsigned Integer	1	R/W		0 /100	
	40614	Unsigned Integer	1	R/W		0 /32767	
	40615	Unsigned Integer	1	R/W		0 /100	
	40616	Unsigned Integer	1	R/W		0 /100	
	40617	Unsigned Integer	1	R/W		0 /32767	
	40618	Unsigned Integer	1	R/W		0 /100	
	40619	Unsigned Integer	1	R/W		0 /100	
	40620	Unsigned Integer	1	R/W		0 /32767	
	40621	Unsigned Integer	1	R/W		0 /100	
	40622	Unsigned Integer	1	R/W		0 /100	
	40623	Unsigned Integer	1	R/W		0 /32767	

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
	40624	Unsigned Integer	1	R/W		0 /100	
	40625	Unsigned Integer	1	R/W		0 /100	
	40626	Unsigned Integer	1	R/W		0 /32767	
	40627	Unsigned Integer	1	R/W		0 /100	
	40628	Unsigned Integer	1	R/W		0 /100	
	40629	Unsigned Integer	1	R/W		0 /32767	
	40630	Unsigned Integer	1	R/W		0 /100	
	40631	Unsigned Integer	1	R/W		0 /100	
PrognosysMeasText1	40632	Unsigned Integer	1	R/W		0 /65535	
PrognosysServiceText1	40633	Unsigned Integer	1	R/W		0 /65535	
PrognosysMeasText2	40634	Unsigned Integer	1	R/W		0 /65535	
PrognosysServiceText2	40635	Unsigned Integer	1	R/W		0 /65535	
PrognosysMeasText3	40636	Unsigned Integer	1	R/W		0 /65535	
PrognosysServiceText3	40637	Unsigned Integer	1	R/W		0 /65535	
PrognosysMeasText4	40638	Unsigned Integer	1	R/W		0 /65535	
PrognosysServiceText4	40639	Unsigned Integer	1	R/W		0 /65535	
PrognosysMeasText5	40640	Unsigned Integer	1	R/W		0 /65535	
PrognosysServiceText5	40641	Unsigned Integer	1	R/W		0 /65535	
PrognosysMeasText6	40642	Unsigned Integer	1	R/W		0 /65535	
PrognosysServiceText6	40643	Unsigned Integer	1	R/W		0 /65535	
PrognosysMeasText7	40644	Unsigned Integer	1	R/W		0 /65535	
PrognosysServiceText7	40645	Unsigned Integer	1	R/W		0 /65535	
PrognosysMeasText8	40646	Unsigned Integer	1	R/W		0 /65535	

Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
PrognosysServiceText8	40647	Unsigned Integer	1	R/W		0 /65535	
PrognosysMeasText9	40648	Unsigned Integer	1	R/W		0 /65535	
PrognosysServiceText9	40649	Unsigned Integer	1	R/W		0 /65535	
PrognosysMeasText10	40650	Unsigned Integer	1	R/W		0 /65535	
	40651	Unsigned Integer	1	R/W		0 /65535	
PrognosysMeasText11	40652	Unsigned Integer	1	R/W		0 /65535	
	40653	Unsigned Integer	1	R/W		0 /65535	
PrognosysMeasText12	40654	Unsigned Integer	1	R/W		0 /65535	
	40655	Unsigned Integer	1	R/W		0 /65535	
PrognosysMeasText13	40656	Unsigned Integer	1	R/W		0 /65535	
	40657	Unsigned Integer	1	R/W		0 /65535	
PrognosysMeasText14	40658	Unsigned Integer	1	R/W		0 /65535	
	40659	Unsigned Integer	1	R/W		0 /65535	
PrognosysMeasText15	40660	Unsigned Integer	1	R/W		0 /65535	
	40661	Unsigned Integer	1	R/W		0 /65535	
MEASUREMENT 1	40662	Float	2	R/W			
UNIT 1	40664	Selection List	1	R/W			
PARAMETER 1	40665	Selection List	1	R/W			
MEASUREMENT 2	40666	Float	2	R/W			
UNIT 2	40668	Selection List	1	R/W			
PARAMETER 2	40669	Selection List	1	R/W			
MEASUREMENT 3	40670	Float	2	R/W			

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
UNIT 3	40672	Selection List	1	R/W			
PARAMETER 3	40673	Selection List	1	R/W			
MEASUREMENT 4	40674	Float	2	R/W			
UNIT 4	40676	Selection List	1	R/W			
PARAMETER 4	40677	Selection List	1	R/W			
MEASUREMENT 5	40678	Float	2	R/W			
UNIT 5	40680	Selection List	1	R/W			
PARAMETER 5	40681	Selection List	1	R/W			
MEASUREMENT 6	40682	Float	2	R/W			
UNIT 6	40684	Selection List	1	R/W			
PARAMETER 6	40685	Selection List	1	R/W			
MEASUREMENT 7	40686	Float	2	R/W			
UNIT 7	40688	Selection List	1	R/W			
PARAMETER 7	40689	Selection List	1	R/W			
MEASUREMENT 8	40690	Float	2	R/W			
UNIT 8	40692	Selection List	1	R/W			
PARAMETER 8	40693	Selection List	1	R/W			
MEASUREMENT 9	40694	Float	2	R/W			
UNIT 9	40696	Selection List	1	R/W			
PARAMETER 9	40697	Selection List	1	R/W			
MEASUREMENT 10	40698	Float	2	R/W			
UNIT 10	40700	Selection List	1	R/W			
PARAMETER 10	40701	Selection List	1	R/W			

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
MEASUREMENT 11	40702	Float	2	R/W			
UNIT 11	40704	Selection List	1	R/W			
PARAMETER 11	40705	Selection List	1	R/W			
MEASUREMENT 12	40706	Float	2	R/W			
UNIT 12	40708	Selection List	1	R/W			
PARAMETER 12	40709	Selection List	1	R/W			
MEASUREMENT 13	40710	Float	2	R/W			
UNIT 13	40712	Selection List	1	R/W			
PARAMETER 13	40713	Selection List	1	R/W			
MEASUREMENT 14	40714	Float	2	R/W			
UNIT 14	40716	Selection List	1	R/W			
PARAMETER 14	40717	Selection List	1	R/W			
MEASUREMENT 15	40718	Float	2	R/W			
UNIT 15	40720	Selection List	1	R/W			
PARAMETER 15	40721	Selection List	1	R/W			
CurrentProgramTxt	40722	String	4	R/W			
RTC DD	40726	Unsigned Integer	1	R		0 /65535	
CONTROL CYCLE	40727	Float	2	R/W		0 /99	
CONTROL CYCLE	40729	Float	2	R/W		0 /99	
MIN RUNTIME	40731	Float	2	R/W		0 /99	
MIN RUNTIME	40733	Float	2	R/W		0 /99	
SRT MODE	40735	Float	2	R/W			
SRT MODE	40737	Float	2	R/W			
SRT MIN	40739	Float	2	R/W		0 /99	
SRT MIN	40741	Float	2	R/W		0 /99	
CNP OVERRIDES MAX NIT.	40743	Float	2	R/W			

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
CNP OVERRIDES MAX NIT.	40745	Float	2	R/W			
FEED FLOW LOW STOP DOS	40747	Float	2	R/W		5 /100	
FEED FLOW LOW STOP DOS	40749	Float	2	R/W		5 /100	

ALL Sensors and Analyzer: Classified ERROR Word - Register 49930

Table 2 Error register

Bit	Error	Description
0	Calibration error	Faulty calibration detected
1	Electronic settings error	Faulty electronic calibration/settings
2	Cleaning error	Error in cleaning cycle detected
3	Measuring module error	Error in measuring module detected
4	System initialization	Inconsistent settings detected, reset to factory settings
5	Hardware error	Faulty hardware detected
6	Internal communication error	Internal communication error detected
7	Humidity error	Excessive humidity detected
8	Excessive temperature	Excessive temperature detected
9		
10	Sample feed warning	Error in sample feed detected
11	Questionable calibration warning	Accuracy of previous calibration inadequate
12	Questionable measurement warning	Accuracy of previous measurement inadequate/out of range
13	Safety warning	Safety equipment error detected
14	Reagent warning	Reagent warning, e.g. fill level < min detected
15	Service request warning	Service request detected

ALL Sensors and Analyzer: Classified STATUS Word - Register 49931

Table 3 Status register

Bit	Status 1	Description
0	Calibration activated	Calibration in progress, measurement value not up to date
1	Cleaning activated	Cleaning in progress, measurement value not up to date
2	Service mode activated	Device in "Service" mode, measurement value not up to date
3	General error message	General error detected, refer to error text for details
4	Measurement value channel 0, poor quality	Measurement accuracy is not within specified limits
5	Measurement value channel 0, range short-fall	Measurement value falls short of the specified range
6	Measurement value channel 0, range exceeded	Measurement value exceeds the specified range
7	Measurement value channel 1, poor quality	Measurement accuracy is not within specified limits
8	Measurement value channel 1, range short-fall	Measurement value falls short of the specified range
9	Measurement value channel 1, range exceeded	Measurement value exceeds the specified range
10	Measurement value channel 2, poor quality	Measurement accuracy is not within specified limits
11	Measurement value channel 2, range short-fall	Measurement value falls short of the specified range
12	Measurement value channel 2, range exceeded	Measurement value exceeds the specified range
13	Measurement value channel 3, poor quality	Measurement accuracy is not within specified limits
14	Measurement value channel 3, range short-fall	Measurement value falls short of the specified range
15	Measurement value channel 3, range exceeded	Measurement value exceeds the specified range