

Modbus Register ANISE sc

V1.09

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
AMMONIUM NH4-N	40001	Float	2	R		0 /1500	
AMMONIUM NH4	40003	Float	2	R		0 /1932	
Nitrate NO3-N	40005	Float	2	R		0 /1500	
Nitrate NO3	40007	Float	2	R		0 /6643	
Potassium	40009	Float	2	R		0 /1500	
Chloride	40011	Float	2	R		0 /1500	
TEMPERATURE [C]	40013	Float	2	R		0 /60	
TEMPERATURE [F]	40015	Float	2	R		-54 /180	
Location	40025	String	8	R/W			
MEAS UNITS	40033	Unsigned Integer	1	R/W	U0 /2		
SET PARAMETER	40034	Unsigned Integer	1	R/W	0 /1		
TEMP UNITS	40035	Unsigned Integer	1	R/W	U25 /26		
TEMP ADJUST [C]	40036	Float	2	R/W		-1.5 /1.5	
TEMP ADJUST [F]	40038	Float	2	R/W		-2.7 /2.7	
Response Interval	40040	Unsigned Integer	1	R/W		10 /1800	
Logger Interval	40041	Unsigned Integer	1	R/W	0 /1 /2 /3 /4 /5 /6 /7		
K+ compensation	40042	Unsigned Integer	1	R/W	0 /1		
K+ substitute value	40043	Float	2	R/W		0 /1500	
Chlorine compensation	40045	Unsigned Integer	1	R/W	0 /1		
Cl substitute value	40046	Float	2	R/W		0 /1500	
IMP. INTERVAL	40048	Unsigned Integer	1	R/W	0 /1 /2 /3 /4 /5 /6		
SERIAL NUMBER	40049	String	6	R/W			
AC Code Version	40055	Float	2	R		0 /3.40282347 E+38	
BC Code Version	40057	Float	2	R		0 /3.40282347 E+38	
Structure DD	40059	Unsigned Integer	1	R		0 /255	
Content DD	40060	Unsigned Integer	1	R		0 /255	
Firmware DD	40061	Unsigned Integer	1	R		0 /255	
Moist [%]	40062	Unsigned Integer	1	R		0 /100	
Ammonium mV	40063	Float	2	R		-2000 /2000	
Ammonium Drift	40065	Float	2	R		-2000 /2000	
Ammonium Noise	40067	Float	2	R		-2000 /2000	
Nitrate mV	40069	Float	2	R		-2000 /2000	
Nitrate Drift	40071	Float	2	R		-2000 /2000	
Nitrate Noise	40073	Float	2	R		-2000 /2000	
Potassium mV	40075	Float	2	R		-2000 /2000	
Potassium Drift	40077	Float	2	R		-2000 /2000	
Potassium Noise	40079	Float	2	R		-2000 /2000	
Chloride mV	40081	Float	2	R		-2000 /2000	
Chloride Drift	40083	Float	2	R		-2000 /2000	

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
Chloride Noise	40085	Float	2	R		-2000 /2000	
Reference mV	40087	Float	2	R		-2000 /2000	
Reference Drift	40089	Float	2	R		-2000 /2000	
Reference Noise	40091	Float	2	R		-2000 /2000	
Reference 2 [mV]	40093	Float	2	R		-2000 /2000	
Channel 7 [mV]	40097	Float	2	R		-2000 /2000	
Temperatur [mV]	40099	Float	2	R		-2000 /2000	
CART. NO.	40102	Unsigned Integer	2	R		0 /4294967295	
SENSORCODE	40104	String	8	R/W			
Date of point Matrix 1 Ammonium	40119	Time2	2	R			
Ammonium point Matrix 1	40121	Float	2	R/W		0 /1500	
Date of point Matrix 1 Nitrate	40123	Time2	2	R			
Nitrate point Matrix 1	40125	Float	2	R/W		0 /1500	
Date of point Matrix 1 Potassium	40127	Time2	2	R			
Potassium point Matrix 1	40129	Float	2	R/W		0 /1500	
Date of point Matrix 1 Chloride	40131	Time2	2	R			
Chloride point Matrix 1	40133	Float	2	R/W		0 /1500	
Date of point 1 Matrix 2 Ammonium	40135	Time2	2	R			
Ammonium point 1 Matrix 2	40137	Float	2	R/W		0 /1500	
Date of point 2 Matrix 2 Ammonium	40139	Time2	2	R			
Ammonium point 2 Matrix 2	40141	Float	2	R/W		0 /1500	
Date of point 1 Matrix 2 Nitrate	40143	Time2	2	R			
Nitrate point 1 Matrix 2	40145	Float	2	R/W		0 /1500	
Date of point 2 Matrix 2 Nitrate	40147	Time2	2	R			
Nitrate point 2 Matrix 2	40149	Float	2	R/W		0 /1500	
Slope NH4-N	40175	Float	2	R			
Offset NH4-N	40177	Float	2	R			
Slope NO3-N	40181	Float	2	R			
Offset NO3-N	40183	Float	2	R			
Slope K+	40187	Float	2	R			

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
Offset K+	40189	Float	2	R			
Slope CL-	40193	Float	2	R			
Offset CL-	40195	Float	2	R			
NH4 impedance	40209	Float	2	R			
NO3 impedance	40211	Float	2	R			
K+ impedance	40213	Float	2	R			
CL impedance	40215	Float	2	R			
Phd impedance	40217	Float	2	R			
REF2 impedance	40219	Float	2	R			
Channel 7 impedance	40221	Float	2	R			

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