Modbus Register
ANISE sc

V 1.14

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
AMMONIUM NH4-N	40001	Float	2	R	mg /l	NH4-N	
AMMONIUM NH4	40003	Float	2	R	mg /l	NH4	
Nitrate NO3-N	40005	Float	2	R	mg /l	NO3-N	
Nitrate NO3	40007	Float	2	R	mg /l	NO3	
Potassium	40009	Float	2	R	MEAS UNITS	K+	
Chloride	40011	Float	2	R	mg /l	CL	
TEMPERATURE [C]	40013	Float	2	R	C		
TEMPERATURE [F]	40015	Float	2	R	F		
Location	40025	String	8	R/W			
MEAS UNITS	40033	Unsigned Integer	1	R/W			U0/2
SET PARAMETER	40034	Unsigned Integer	1	R/W			0/1/2/3
TEMP UNITS	40035	Unsigned Integer	1	R/W			U25/26
TEMP ADJUST [C]	40036	Float	2	R/W	C		
TEMP ADJUST [F]	40038	Float	2	R/W	F		
Response Interval	40040	Unsigned Integer	1	R/W	s		
Logger Interval	40041	Unsigned Integer	1	R/W	s		0/1/2/3/4/5/6/7
K+ compensation	40042	Unsigned Integer	1	R/W			0/1
K+ subsitute value	40043	Float	2	R/W	MEAS UNITS	K+	
Chlorine compensation	40045	Unsigned Integer	1	R/W			0/1
Cl subsitute value	40046	Float	2	R/W	MEAS UNITS	CL	
SERIAL NUMBER	40049	String	6	R/W			
AC Code Version	40055	Float	2	R			
BC Code Version	40057	Float	2	R			
Structure DD	40059	Unsigned Integer	1	R			
Content DD	40060	Unsigned Integer	1	R			
Firmware DD	40061	Unsigned Integer	1	R			
Moist [%]	40062	Unsigned Integer	1	R	%		
Ammonium mV	40063	Float	2	R	mV		
Ammonium Drift	40065	Float	2	R	mV		
Ammonium Noise	40067	Float	2	R	mV		
Nitrate mV	40069	Float	2	R	mV		
Nitrate Drift	40071	Float	2	R	mV		
Nitrate Noise	40073	Float	2	R	mV		
Potassium mV	40075	Float	2	R	mV		
Potassium Drift	40077	Float	2	R	mV		
Potassium Noise	40079	Float	2	R	mV		
Chloride mV	40081	Float	2	R	mV		
Chloride Drift	40083	Float	2	R	mV		
Chloride Noise	40085	Float	2	R	mV		
Reference mV	40087	Float	2	R	mV		
Reference Drift	40089	Float	2	R	mV		

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
Reference Noise	40091	Float	2	R	mV		
Reference 2 [mV]	40093	Float	2	R	mV		
Temperatur [mV]	40099	Float	2	R	mV		
CART. NO.	40103	Unsigned Integer	2	R			
SENSORCODE	40105	String	8	R/W			
Date of point Matrix 1 Ammonium	40120	Time2	2	R			
Ammonium point Matrix 1	40122	Float	2	R/W	MEAS UNITS	NH4-N	
Date of point Matrix 1 Nitrate	40124	Time2	2	R			
Nitrate point Matrix 1	40126	Float	2	R/W	MEAS UNITS	NO3-N	
Date of point Matrix 1 Potassium	40128	Time2	2	R			
Potassium point Matrix 1	40130	Float	2	R/W	MEAS UNITS	K+	
Date of point Matrix 1 Chloride	40132	Time2	2	R			
Chloride point Matrix 1	40134	Float	2	R/W	MEAS UNITS	CL	
Date of point 1 Matrix 2 Ammonium	40136	Time2	2	R			
Ammonium point 1 Matrix 2	40138	Float	2	R/W	MEAS UNITS	NH4-N	
Date of point 2 Matrix 2 Ammonium	40140	Time2	2	R			
Ammonium point 2 Matrix 2	40142	Float	2	R/W	MEAS UNITS	NH4-N	
Date of point 1 Matrix 2 Nitrate	40144	Time2	2	R			
Nitrate point 1Matrix 2	40146	Float	2	R/W	MEAS UNITS	NO3-N	
Date of point 2 Matrix 2 Nitrate	40148	Time2	2	R			
Nitrate point 2 Matrix 2	40150	Float	2	R/W	MEAS UNITS	NO3-N	
Slope NH4-N	40176	Float	2	R			
Offset NH4-N	40178	Float	2	R			
Slope K+	40182	Float	2	R			
Offset K+	40184	Float	2	R			
Slope NO3-N	40188	Float	2	R			
Offset NO3-N	40190	Float	2	R			
Slope CL-	40194	Float	2	R			
Offset CL-	40196	Float	2	R			
NH4 impedance	40210	Float	2	R	M<Ohm>		
NO3 impedance	40212	Float	2	R	M<Ohm>		
K+ impedance	40214	Float	2	R	M<Ohm>		
CL impedance	40216	Float	2	R	M<Ohm>		
Phd impedance	40218	Float	2	R	M<Ohm>		
REF2 impedance	40220	Float	2	R	M<Ohm>		
	40242	Time2	2	R/W			
	40244	Integer	1	R/W	mV		

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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