Modbus Register
AMTAX SC

V 2.30

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AMTAX SC V 2.30

Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
	40001	Float	2	R			
	40005	String	8	R/W			
	40013	Unsigned Integer	1	R/W			U0/2
	40014	Float	2	R	C		
	40016	Unsigned Integer	1	R/W			0/5/1/2/3/4
	40017	Unsigned Integer	1	R/W			
	40020	Float	2	R	C		
	40022	Float	2	R			
	40024	Float	2	R			
	40026	Float	2	R			
	40028	Float	2	R			
	40030	Float	2	R			
	40032	Float	2	R		NH4-N	
	40034	Float	2	R		NH4	
	40036	Float	2	R		NH4-N	
	40038	Float	2	R		NH4	
	40040	Float	2	R	BAR		
	40042	Float	2	R	BAR		
	40044	Float	2	R/W			
	40046	Float	2	R			
	40048	Unsigned Integer	1	R/W			
	40049	Unsigned Integer	1	R/W			
	40050	Unsigned Integer	1	R/W			
	40051	Unsigned Integer	1	R/W			
	40052	Unsigned Integer	1	R/W			
	40053	Unsigned Integer	1	R/W			
	40054	Unsigned Integer	1	R/W			
	40055	Unsigned Integer	1	R/W			
	40056	Unsigned Integer	1	R/W			
	40057	Unsigned Integer	1	R/W			
	40058	Unsigned Integer	1	R/W			
	40067	Unsigned Integer	1	R/W			
	40068	Unsigned Integer	1	R	s		
	40069	Float	2	R			
	40071	Unsigned Integer	1	R/W			0/1/2/3/4/5/6/7/8/9/10/11/12

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
	40072	Unsigned Integer	1	R/W			1/2/3/4/5/6/7/8/9/10/11/12
	40073	Time2	2	R/W			
	40075	Unsigned Integer	1	R/W			P19/42
	40076	Integer	1	R/W	Day		
	40077	Unsigned Integer	1	R	%		
	40078	Unsigned Integer	1	R	%		
	40080	Unsigned Integer	1	R/W			
	40081	Unsigned Integer	1	R/W			
	40082	Unsigned Integer	1	R			
	40083	Time2	2	R/W			
	40085	Unsigned Integer	1	R/W			0/1/3/6/8/12/24
	40086	Unsigned Integer	1	R/W			0/1/2
	40087	Unsigned Integer	1	R/W			
	40088	Unsigned Integer	1	R/W			0/1/2
	40089	Unsigned Integer	1	R/W			0/1/2
	40090	String	8	R/W			
	40098	Unsigned Integer	1	R/W			P19/42
	40099	Float	2	R/W			
	40101	Unsigned Integer	1	R/W			U0/2
	40102	Unsigned Integer	1	R	%		
	40103	Float	2	R			
	40105	Unsigned Integer	1	R	%		
	40107	Unsigned Integer	1	R			
	40108	Time2	2	R			
	40110	Unsigned Integer	1	R/W			0/1
	40111	Unsigned Integer	1	R/W			
	40112	Unsigned Integer	1	R/W			
	40113	Unsigned Integer	1	R/W			
	40114	Unsigned Integer	1	R/W			

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
	40115	Unsigned Integer	1	R/W			
	40116	Unsigned Integer	1	R/W			
	40117	Unsigned Integer	1	R/W			
	40118	Unsigned Integer	1	R/W			
	40119	Unsigned Integer	1	R/W			0/1
	40125	String	6	R			
	40131	String	8	R			
	40140	Float	2	R			
	40142	Unsigned Integer	1	R/W			20/15/10/5
	40143	Unsigned Integer	1	R/W	%		
	40144	Unsigned Integer	1	R/W	%		
	40146	Unsigned Integer	1	R/W	%		
	40148	Time2	2	R/W			
	40150	Time2	2	R/W			
	40154	Integer	1	R/W	Day		
	40165	Float	2	R			
	40167	Unsigned Integer	1	R			
	40168	Unsigned Integer	1	R			
	40169	Unsigned Integer	1	R			
	40170	Float	2	R			
	40172	Unsigned Integer	1	R			0/1
	40173	Unsigned Integer	2	R/W	h		
	40177	Integer	1	R/W	Day		
	40186	Integer	1	R/W	Day		
	40194	Time2	2	R/W			
	40196	Time2	2	R/W			
	40218	Unsigned Integer	1	R/W			0/1
	40224	Time2	2	R			
	40226	Time2	2	R			
	40228	Time2	2	R			
	40230	Time2	2	R			
	40232	Time2	2	R			
	40234	Time2	2	R			
	40236	Time2	2	R			
	40238	Time2	2	R			
	40240	Time2	2	R			
	40242	Time2	2	R			
	40244	Float	2	R	mg /l		
	40246	Float	2	R	mg /l		

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
	40248	Float	2	R	mg /l		
	40250	Float	2	R	mg /l		
	40252	Float	2	R	mg /l		
	40254	Float	2	R	mg /l		
	40256	Float	2	R	mg /l		
	40258	Float	2	R	mg /l		
	40260	Float	2	R	mg /l		
	40262	Float	2	R	mg /l		
	40266	Unsigned Integer	1	R/W	%		40/30/15
	40267	Unsigned Integer	1	R/W	%		14/10/8/0
	40268	Float	2	R	C		
	40270	Float	2	R	C		
	40272	Unsigned Integer	1	R/W			0/1
	40277	Integer	1	R/W	Day		
	40278	Unsigned Integer	1	R/W			0/1
	40279	Unsigned Integer	1	R/W			0/1
	40280	Unsigned Integer	2	R			
	40282	Unsigned Integer	2	R			
	40285	String	8	R/W			
	40293	Float	2	R			
	40302	Float	2	R/W			
	40304	Float	2	R/W			
	40314	Unsigned Integer	1	R			
	40315	Unsigned Integer	1	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