Modbus Register
34xx sc contacting conductivity external gateway

V 3.0

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
	40001	Unsigned Integer	1	R			
	40002	Unsigned Integer	1	R			
	40003	Float	2	R			
	40003	Float	2	R			
	40003	Float	2	R			
	40003	Float	2	R			
	40005	Float	2	R	C		
	40005	Float	2	R	F		
	40007	Float	2	R			
	40009	Float	2	R			
	40011	Unsigned Integer	2	R			
	40013	Unsigned Integer	1	R/W			U50/51
	40014	Unsigned Integer	1	R/W			U36/37
	40015	Unsigned Integer	1	R/W			U2/38
	40016	Unsigned Integer	1	R/W			U31
	40017	Unsigned Integer	1	R/W			U25/26
	40018	Unsigned Integer	1	R/W			0/1/2/3
	40019	Unsigned Integer	1	R/W			0/1/2/3
	40020	Unsigned Integer	1	R/W	s		
	40021	Unsigned Integer	1	R/W			0/1
	40022	Float	2	R/W	ppm /uS		
	40024	Float	2	R/W			
	40026	Float	2	R			
	40028	Float	2	R			
	40030	Unsigned Integer	1	R/W			0/1/2/3/4/7/5/6
	40031	Unsigned Integer	1	R/W			0/1/2/3/4
	40032	Unsigned Integer	1	R/W			0/1/3/4
	40033	Float	2	R/W	% /C		
	40035	Float	2	R/W			
	40037	Float	2	R			
	40039	Float	2	R			
	40041	Unsigned Integer	1	R/W			0/1/2
	40042	Float	2	R/W			
	40044	Float	2	R			
	40046	Float	2	R			
	40048	Float	2	R/W			
	40050	Unsigned Integer	1	R/W			0/1/2

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
	40051	Unsigned Integer	1	R			
	40052	Float	2	R/W			
	40052	Float	2	R/W			
	40052	Float	2	R/W			
	40052	Float	2	R/W			
	40054	String	6	R/W			
	40060	Float	2	R			
	40062	Float	2	R			
	40064	Float	2	R			
	40066	Float	2	R			
	40068	String	6	R			
	40074	Unsigned Integer	1	R/W			
	40075	Unsigned Integer	1	R			
	40076	Float	2	R/W			
	40078	Unsigned Integer	1	R/W			
	40079	Unsigned Integer	1	R/W			0/1/2/3/4/5/6/7/8/9/10/11/12/13
	40080	Unsigned Integer	1	R/W			0/1/2/3/4/5/6/7/8/9/10/11/12/13
	40081	Float	2	R			
	40083	Float	2	R			
	40085	Float	2	R			
	40087	Unsigned Integer	1	R/W			
	40088	Unsigned Integer	1	R/W			
	40089	Float	2	R			
	40091	Float	2	R			
	40093	Float	2	R			
	40095	Unsigned Integer	1	R/W			0/1
	40096	Unsigned Integer	1	R/W			0/1/2
	40097	Float	2	R			
	40099	Float	2	R/W			
	40101	Float	2	R/W			
	40103	Float	2	R/W			
	40105	Float	2	R/W			
	40107	Float	2	R/W			
	40109	Float	2	R/W			
	40111	Float	2	R/W			
	40113	Float	2	R/W			
	40115	Float	2	R/W			
	40117	Float	2	R/W			
	40119	Float	2	R/W			
	40121	Float	2	R/W			
	40123	Float	2	R/W			
	40125	Float	2	R/W			

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
	40127	Float	2	R/W			
	40129	Float	2	R/W			
	40131	Float	2	R/W			
	40133	Float	2	R/W			
	40135	Float	2	R/W			
	40137	Float	2	R/W			
	40139	Float	2	R/W			
	40141	Float	2	R/W			
	40143	Unsigned Integer	1	R/W			0/1/2
	40144	Unsigned Integer	1	R/W			0/1/2/3/4/5/6/7/8/9
	40145	Unsigned Integer	1	R/W			0/1
	40146	Unsigned Integer	1	R/W			0/1
	40147	Unsigned Integer	1	R			
	40148	Unsigned Integer	1	R			
	40149	Unsigned Integer	1	R			
	40150	Unsigned Integer	1	R			
	40151	Unsigned Integer	1	R			
	40152	Unsigned Integer	1	R			
	40153	Float	2	R			
	40155	Float	2	R/W			
	40157	Float	2	R			
	40159	Float	2	R			
	40161	Float	2	R/W			

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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