

# Modbus Register Solitax sc

V 2.24

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
	40001	Float	2	R	FNU	TRB	
	40001	Float	2	R	NTU	TRB	
	40001	Float	2	R	TE /F	TRB	
	40001	Float	2	R	FTU	TRB	
	40003	Float	2	R	EBC	TRB	
	40005	Float	2	R	mg /l	TRB	
	40005	Float	2	R	mg /l	TS	
	40005	Float	2	R	ppm	TS	
	40007	Float	2	R	g /l	TS	
	40009	Float	2	R	%	TS	
	40011	Unsigned Integer	1	R			
	40012	Unsigned Integer	1	R/W			P0/1
	40013	Unsigned Integer	1	R/W			U6/9/8/7/42/0
	40013	Unsigned Integer	1	R/W			U6/9/8/7/42
	40014	Unsigned Integer	1	R/W			U0/1/2/10
	40015	Float	2	R/W		TRB	
	40017	Float	2	R/W			
	40019	Float	2	R/W			
	40021	Unsigned Integer	1	R/W			
	40022	Unsigned Integer	1	R/W	s		
	40023	Unsigned Integer	1	R/W			1/5/15/30/60/240/720/1440/4320/10080/65535
	40024	Unsigned Integer	1	R/W			5/30/60/120/180/240/300/360/600/900/1800
	40025	Unsigned Integer	1	R/W			0/1/2/3
	40026	Unsigned Integer	1	R/W			0/1/2/3
	40027	String	8	R/W			
	40035	Unsigned Integer	1	R/W			
	40036	String	6	R/W			
	40042	Time2	2	R			
	40044	Time2	2	R			
	40046	Time2	2	R			
	40048	Float	2	R			
	40050	Float	2	R			
	40052	Unsigned Integer	1	R			
	40053	Unsigned Integer	1	R			
	40054	Unsigned Integer	1	R			
	40055	Float	2	R			
	40057	Float	2	R			
	40059	Float	2	R			
	40061	Float	2	R			

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
	40063	Float	2	R			
	40065	Float	2	R			
	40067	Float	2	R			
	40069	Float	2	R			
	40071	Float	2	R			
	40073	Float	2	R			
	40075	Unsigned Integer	1	R			
	40076	Unsigned Integer	1	R	%		
	40077	Unsigned Integer	1	R			
	40078	Unsigned Integer	1	R			
	40079	Unsigned Integer	1	R			
	40080	Unsigned Integer	1	R			
	40081	Float	2	R			
	40083	Float	2	R			
	40085	Float	2	R			
	40087	Float	2	R			
	40089	Unsigned Integer	1	R			
	40089	Unsigned Integer	1	R			
	40089	Unsigned Integer	1	R			
	40090	Unsigned Integer	2	R			
	40092	Unsigned Integer	2	R			
	40094	Unsigned Integer	2	R			
	40096	Unsigned Integer	2	R			
	40098	Unsigned Integer	2	R			
	40100	Unsigned Integer	2	R			
	40102	Unsigned Integer	1	R			
	40103	Unsigned Integer	1	R/W			
	40104	Unsigned Integer	1	R/W			
	40105	Unsigned Integer	1	R/W			1/2/3/4/5
	40106	Float	2	R/W		TS	
	40108	Float	2	R/W		TS	
	40110	Unsigned Integer	1	R/W			0/1/2
	40111	Float	2	R/W			
	40113	Unsigned Integer	2	R/W	h		
	40115	Integer	1	R	Day		

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
	40115	Integer	1	R/W	Day		
	40116	Integer	1	R	Day		
	40116	Integer	1	R/W	Day		
	40117	Unsigned Integer	2	R/W			
	40119	Unsigned Integer	1	R/W			0/1/2/3/4/5/6/7/8/9/10/11/12
	40120	Unsigned Integer	1	R/W			0/1/2/3/4/5/6/7/8/9/10/11/12
N1	40121	Float	2	R			
N2	40123	Float	2	R			
V1	40125	Float	2	R			
V2	40127	Float	2	R			
	40129	Unsigned Integer	1	R			
	40130	Unsigned Integer	1	R			0/1/2/3/4/5
	40131	Unsigned Integer	1	R			0/1/2
	40132	Unsigned Integer	1	R			
	40133	Unsigned Integer	1	R			0/1
	40134	Unsigned Integer	1	R/W	%		
	40135	Unsigned Integer	1	R/W	Day		
F1	40136	Unsigned Integer	1	R/W			0/1
LED	40137	Float	2	R/W			
N1OP	40139	Float	2	R/W			
TRB PROC. VALUE	40141	Float	2	R	NTU		
MAXIMUM TRB NTU	40143	Float	2	R	NTU		

## 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