Modbus Register
9582sc

V 1.02

HACH®

Be Right™

9582sc V 1.02

Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
DO	40001	Unsigned Integer	1	R	MEAS UNITS		
TEMPERATURE	40002	Unsigned Integer	1	R			
TEMP C	40003	Float	2	R	C		
TEMP F	40005	Float	2	R	F		
DO in ppm	40007	Float	2	R	ppm		
DO in mg/l	40009	Float	2	R	mg /l		
FUNCTION CODE	40011	Unsigned Integer	1	R/W			
NEXT STATE	40012	Unsigned Integer	1	R			
temperature units	40013	Unsigned Integer	1	R/W			U25/26
FILTER	40014	Unsigned Integer	1	R/W	s		
READING.	40015	Unsigned Integer	1	R/W			0/1/2/3/4/5/6/7/8/9/10
PRESSURE UNITS	40016	Unsigned Integer	1	R/W			136/100/62/45
PRESSURE TAG	40017	Unsigned Integer	1	R			
PRESSURE in mmHg	40018	Float	2	R/W	mmHg		
PRESSURE in mbar	40020	Float	2	R/W	mbar		
PRESSURE in kPa	40022	Float	2	R/W	kPa		
OUTPUT MODE	40025	Unsigned Integer	1	R/W			0/1/2
CAL LEAVE	40026	Unsigned Integer	1	R/W			0/1/2
SOFTWARE VERS	40030	Float	2	R			
BOOTLOADER VER	40032	Float	2	R			
SENS INTERVAL	40034	Unsigned Integer	1	R/W			0/1/2/3/4/5/6/7/8
Cal Factor	40035	Float	2	R	µA /ppm		
SENSOR SIGNAL	40037	Float	2	R	mV		
MEMBRANE DAYS	40039	Integer	1	R	Day		
DRIVER VERS	40040	Unsigned Integer	1	R			
SERIAL NUMBER	40041	String	8	R/W			
OP ID ON CAL	40049	Unsigned Integer	1	R/W			0/1
CAL REMINDER	40050	Unsigned Integer	1	R/W			0/1/2/3/4/5/6/7/8/9
CAL DATE	40053	Time2	2	R			
CAL TIME	40055	Time2	2	R			
CAL STATUS	40057	Unsigned Integer	1	R			0/1
OP ID	40064	String	2	R/W			
CAL DAYS	40066	Unsigned Integer	1	R	Day		
MSGS	40067	Unsigned Integer	1	R			0/1/2/3/4/5/6/7/8/9/10/11/12/13/14
CAL WARN MSG	40068	Unsigned Integer	1	R			0/1/2/3/4/5/6/7/8/9/10/11/12/13/14
LOG TEXT	40071	String	8	R			

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
LOG INT	40079	Integer	1	R			
LOG PARAM	40080	String	8	R			
DATE 1	40088	Time2	2	R			
DATE 2	40090	Time2	2	R			
DATE 3	40092	Time2	2	R			
DATE 4	40094	Time2	2	R			
DATE 5	40096	Time2	2	R			
DATE 6	40098	Time2	2	R			
TIME 1	40100	Time2	2	R			
TIME 2	40102	Time2	2	R			
TIME 3	40104	Time2	2	R			
TIME 4	40106	Time2	2	R			
TIME 5	40108	Time2	2	R			
TIME 6	40110	Time2	2	R			
HIDDEN LINE	40113	Unsigned Integer	1	R			
HIGH LIGHT LINE	40114	Unsigned Integer	1	R			
SensorType DO	40115	Unsigned Integer	1	R			
DO Raw Temp Cal Value	40117	Float	2	R	temperature units		
DD CONTENT	40123	Unsigned Integer	1	R			
NAME	40124	String	8	R/W			
Zero Cal Offset	40136	Float	2	R	nA		
RESISTOR RANGE	40138	Unsigned Integer	1	R			
DO in ppb	40139	Float	2	R	ppb		
DO in ug/l	40141	Float	2	R	µg /l		
Pressure in hPa	40143	Float	2	R/W	hPa		
DO in mbar	40145	Float	2	R	mbar		
DO in hPa	40147	Float	2	R	hPa		
Do in inch Hg	40149	Float	2	R	inHg		
DO in mm Hg	40151	Float	2	R	mmHg		
Current / Membrane Signal (nA)	40167	Float	2	R	nA		
MODULE SERIAL NO	40186	String	6	R			
mV during last Temp Calibration	40192	Float	2	R	mV		
CalHistoryTempOffset DO	40199	Unsigned Integer	1	R			
	40237	Float	2	R			
	40239	Float	2	R			
Last Gas Calibration units for DO	40241	Float	2	R			
Temp Cal Units	40243	Float	2	R			
DO New Sensor For Calibration	40245	Float	2	R			
Last User Entered Cal Value	40247	Float	2	R			
DO Cal Type during last calibration	40249	Float	2	R			

Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
Cal Status	40251	Float	2	R			
DO Conc Value during last calibration	40253	Float	2	R			
Gas Conc Units During Calibration	40255	Float	2	R			
Temp Cal Offset Value	40257	Float	2	R			
Temp Units During Cal	40259	Float	2	R			
Present User Selected Temp Unit	40261	Float	2	R			
Temp Cal offset during calibration	40263	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