Modbus Register
8362sc

V1.06

HACH®

Be Right™

Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
tgSensorMeasTag	40001	Integer	1	R			Sensor Measurment Tag
tgPhMeas	40002	Float	2	R			pH /Orp Measurement
tgTempMeasTag	40004	Integer	1	R			Temperature Measurement Tag
tgTempDegCMeas	40005	Float	2	R			Temperature Measurement
tgSensorName	40007	String	6	R/W			Sensor Name
tgFuncCode	40013	Integer	1	R/W			Function Code tag
tgNextState	40014	Integer	1	R/W			Next State Tag
tgMeasType	40015	Integer	1	R/W			Measurement Type-pH or Orp
tgTempUnits	40016	Integer	1	R/W			Temperature Units-C or F
tgPhFormat	40017	Integer	1	R/W			pH Display Format
tgTaggedPhFormat	40018	Unsigned Integer	2	R			pH Display Tagged Format
tgFilter	40020	Integer	1	R/W			Sensor Filter
tgTempElementType	40021	Integer	1	R/W			Temeperature Element Type
tgTempUserValueTag	40022	Integer	1	R			Temperature User Value Tag
tgTempUserDegCValue	40023	Float	2	R/W			Temperature User Value
tgPhBuffer	40025	Integer	1	R/W			pH Buffer Type
tgPureWaterCompType	40026	Integer	1	R/W			Pure H2O Compensation Type
tgPureWaterCompUser	40027	Float	2	R/W			Pure H2O Compensation User Val
tgOutputMode	40029	Integer	1	R/W			Output Mode
tgCalLeave	40030	Integer	1	R/W			Cal Leave Mode
tgCalAbort	40031	Integer	1	R/W			Cal Abort Mode
tgCalEditValueTag	40032	Integer	1	R			Cal Edit Value Tag
tgCalEditPhValue	40033	Float	2	R/W			Cal Edit Value
tgPhSlope	40035	Float	2	R			pH Slope
tgSoftwareVersion	40037	String	6	R			Software Version
tgSerialNumber	40043	String	6	R			Serial Number
tgPhOffset	40049	Float	2	R			pH Offset
tgOrpOffset	40051	Float	2	R			Orp Offset
tgCalCode	40053	Integer	1	R			Cal Code
tgSensorLogInterval	40054	Integer	1	R/W			Sensor Data Log Interval
tgTempLogInterval	40055	Integer	1	R/W			Temperature Data Log Interval
tgPhmV	40056	Float	2	R			pH mV
tgProdDate	40058	Unsigned Integer	2	R/W			Production Date
tgStdElectrode	40060	Float	2	R			Standard Electrode Impedance
tgRefElectrode	40062	Float	2	R			Reference Electrode Impedance
tgLastCalDate	40064	Unsigned Integer	2	R			Last Calibration Date
tgSensorDays	40066	Integer	1	R			Sensor Running Days
tgElectrodeDays	40067	Integer	1	R			Electrode Running Days
tgElectrodeStatus	40068	Integer	1	R			Electrode Status
tgSensorType	40069	Integer	1	R			Sensor Type
tgRejectFrequency	40070	Integer	1	R/W			Reject Frequency
tgDeviceDriver	40071	String	5	R			Device Driver
tgCalWarningDays	40076	Integer	1	R/W			Calibration Warning Days
tgSensorWarningDays	40077	Integer	1	R/W			Sensor Warning Days
tgSensorADCCnts	40078	Integer	2	R			Senor Adc Counts
tgTempADCCnts	40080	Integer	2	R			Temperature Adc Counts
tgEditTempValue	40082	Float	2	R/W			Set User Temperature

Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
tgEditTempMin	40084	Float	2	R			Minimum User Temperature value
tgEditTempMax	40086	Float	2	R			Maximum User Temperature Value
tgImpedanceOn	40088	Integer	1	R/W			Imedance Measuring Ckt Enabled(1)
Act Imped Corr	40089	Float	2	R/W			Set User Temperature
Act Imped Counts	40091	Float	2	R			Minimum User Temperature value
Ref Imped Corr	40093	Float	2	R/W			Maximum User Temperature Value
Ref Imped Counts	40095	Float	2	R			Imedance Measuring Ckt Enabled(1)

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