Modbus Register
5740 sc conventional DO

V1.04

Be Right™

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Name	Register	Data Type	Length	Access Mode	Discrete Range	Min / Max	Description
tgSensorMeasTag	40001	Integer	1	R			Sensor Measurment Tag
tgDOMeas	40002	Float	2	R			DO 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
tgTempUnits	40015	Integer	1	R/W			Temperature Units-C or F
tgFilter	40016	Integer	1	R/W			Sensor Filter
tgTempElementType	40017	Integer	1	R/W			Temeperature Element Type
tgTempUserValueTag	40018	Integer	1	R			Temperature User Value Tag
tgTempUserDegCValue	40019	Float	2	R/W			Temperature User Value
tgPressureUnits	40021	Integer	1	R/W			Pressure Units
tgSalinityUnits	40022	Integer	1	R/W			Salinity Units
tgPressureTag	40023	Integer	1	R			Pressure Tag
tgPressure	40024	Float	2	R/W			Pressure
tgSalinityTag	40026	Integer	1	R			Salinity Units
tgSalinity	40027	Float	2	R/W			Salinity
tgMeasUnits	40029	Integer	1	R/W			Measurement Units
tgOutputMode	40030	Integer	1	R/W			Output Mode
tgCalLeave	40031	Integer	1	R/W			Cal Leave Mode
tgCalAbort	40032	Integer	1	R/W			Cal Abort Mode
tgCalEditValueTag	40033	Integer	1	R			Cal Edit Value Tag
tgCalEditDOValue	40034	Float	2	R/W			Cal Edit Value
tgSoftwareVersion	40036	String	6	R			Software Version
tgSerialNumber	40042	String	6	R			Serial Number
tgCalQValue	40048	Float	2	R			DO Cal Q Value
tgCalCode	40050	Integer	1	R			Cal Code
tgSensorLogInterval	40051	Integer	1	R/W			Sensor Data Log Interval
tgTempLogInterval	40052	Integer	1	R/W			Temperature Data Log Interval
tgDOmV	40053	Float	2	R			DO mV
tgProdDate	40055	Unsigned Integer	2	R/W			Production Date
tgLastCalDate	40057	Unsigned Integer	2	R			Last Calibration Date
tgSensorDays	40059	Integer	1	R			Sensor Running Days
tgRejectFrequency	40060	Integer	1	R/W			Reject Frequency
tgDeviceDriver	40061	String	5	R			Device Driver
tgCalWarningDays	40066	Integer	1	R/W			Calibration Warning Days
tgSensorWarningDays	40067	Integer	1	R/W			Sensor Warning Days
tgSensorADCCnts	40068	Integer	2	R			Senor Adc Counts
tgTempADCCnts	40070	Integer	2	R			Temperature Adc Counts
tgDOOffsetCalCnts	40072	Integer	2	R/W			DO Offset Adc Counts
tgEditTempValue	40074	Float	2	R/W			Set User Temperature
tgEditTempMin	40076	Float	2	R			Minimum User Temperature value
tgEditTempMax	40078	Float	2	R			Maximum User Temperature Value

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