

Modbus Register 8362sc

V1.06



Be Right™

8362sc V1.06

| Name | Register | Data Type | Length | Access Mode | Discrete Range | Min / Max | Description |
|---------------------|----------|------------------|--------|-------------|----------------|-----------|--------------------------------|
| tgSensorMeasTag | 40001 | Integer | 1 | R | | | Sensor Measurement 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 | | | Temperature 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 |

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|------------------|----------|-----------|--------|-------------|----------------|-----------|------------------------------------|
| tgEditTempMin | 40084 | Float | 2 | R | | | Minimum User Temperature value |
| tgEditTempMax | 40086 | Float | 2 | R | | | Maximum User Temperature Value |
| tgImpedanceOn | 40088 | Integer | 1 | R/W | | | Impedance 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 | | | Impedance 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 |



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