# Modbus Register
# sc200 Conductivity Ind Module

V2.02

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# sc200 Conductivity Ind Module V2.02

| Name | Register | Data Type | Length | Access Mode | Discrete Range | Min / Max | Description |
|---|---|---|---|---|---|---|---|
| Cond-uS/cm | 40001 | Float | 2 | R | | 0 /9999.0 | The conductivity value in uS/cm |
| TEMP C | 40003 | Float | 2 | R | | -999.9 /999.9 | The temperature value in degree C |
| CONC | 40005 | Float | 2 | R | | 0 /200 | The concentration measurement |
| TDS | 40007 | Float | 2 | R | | 0 /99999 | The TDS measurement |
| SALINITY | 40009 | Float | 2 | R | | 2 /42 | The salinity measurement |
| SENSOR MEASURE | 40011 | Unsigned Integer | 1 | R | | 0 /65535 | The sensor measurement tag |
| COND | 40012 | Unsigned Integer | 1 | R | | 0 /2000000 | The conductivity measurement tag |
| Cond-mS/cm | 40013 | Float | 2 | R | | 0 /9999.0 | The conductivity value in mS/cm |
| Cond-S/cm | 40015 | Float | 2 | R | | 0 /100.0 | The conductivity value in S/cm |
| COND IN uS/m | 40017 | Float | 2 | R | | 0 /999999.0 | The conductivity value in uS/m |
| COND IN mS/m | 40019 | Float | 2 | R | | 0 /999999.0 | The conductivity value in umS/m |
| COND IN S/m | 40021 | Float | 2 | R | | 0 /2200.0 | The conductivity value in S/m |
| SOLN VALUE | 40023 | Float | 2 | R | | 0 /9999.9 | The conductivity solution value |
| TAGGED FORMAT | 40025 | Unsigned Integer | 2 | R | | 0 /4294967295 | The display format tag |
| TEMP RAW | 40027 | Float | 2 | R | | ? | The raw temperature value |
| Y MIN | 40029 | Float | 2 | R | | 0.0 /1.0 | The min. Y value in user table configuration |
| Y MAX | 40031 | Float | 2 | R | | 99.0 /200.0 | The max. Y value in user table configuration |
| TABLE MAX | 40033 | Float | 2 | R | | 0 /10000 | The max. X value in user table configuration |
| TABLE MIN | 40035 | Float | 2 | R | | 0.0 /32.0 | The min. X value in user table configuration |
| HTRY MEASURE | 40037 | Unsigned Integer | 1 | R | | 0 /65535 | The measuremnet tag in cal history |
| HTRY ACTUAL | 40038 | Unsigned Integer | 1 | R | | 0 /65535 | The actual measurement tag in cal history |
| HTRY COND | 40039 | Float | 2 | R | | 0 /2000000 | The conductivity measurement in cal history |
| HTRY ACT COND | 40041 | Float | 2 | R | | 0 /2000000 | The actual conductivity value in cal history |
| HTRY CONC | 40043 | Float | 2 | R | | 0 /101 | The concentration measurement in cal history |
| HTRY ACT CONC | 40045 | Float | 2 | R | | 0 /101 | The actual measured concentration value in cal history |
| HTRY TDS | 40047 | Float | 2 | R | | 0 /99999 | The TDS measurement in cal history |
| HTRY ACT TDS | 40049 | Float | 2 | R | | 0 /99999 | The actual measured TDS value in cal history |
| HTRY SALINITY | 40051 | Float | 2 | R | | 0 /10000 | The salinity measurement in cal history |
| HTRY ACT SAL | 40053 | Float | 2 | R | | 0 /10000 | The actual measured salinity value in cal history |
| HTRY TGED FMAT | 40055 | Unsigned Integer | 2 | R | | 0 /2000000000 | The display format tag in cal history |
| COND SOLN | 40057 | Float | 2 | R | | 0 /2000000 | The conductivity solution value in cal history |
| HTRY COND ACT | 40059 | Float | 2 | R | | 0 /2000000 | The actual measured conductivity solution value in cal history |
| HTRY TEMP | 40061 | Float | 2 | R | | -20 /200 | The temperature value in cal history |
| HTRY CELL VAL | 40063 | Float | 2 | R | | 2.0 /7.0 | The cell constant value in cal history |
| RANGE 1 | 40065 | Float | 2 | R | | -999999.9 /999999.9 | The zero value at range 1 in cal history |
| RANGE 2 | 40067 | Float | 2 | R | | -999999.9 /999999.9 | The zero value at range 2 in cal history |
| RANGE 3 | 40069 | Float | 2 | R | | -999999.9 /999999.9 | The zero value at range 3 in cal history |
| RANGE 4 | 40071 | Float | 2 | R | | -999999.9 /999999.9 | The zero value at range 4 in cal history |
| RANGE 5 | 40073 | Float | 2 | R | | -999999.9 /999999.9 | The zero value at range 5 in cal history |

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| Name | Register | Data Type | Length | Access Mode | Discrete Range | Min / Max | Description |
|---|---|---|---|---|---|---|---|
| RANGE 6 | 40075 | Float | 2 | R | | -999999.9 /999999.9 | The zero value at range 6 in cal history |
| RANGE 7 | 40077 | Float | 2 | R | | -999999.9 /999999.9 | The zero value at range 7 in cal history |
| GAIN VALUE | 40079 | Integer | 1 | R | | 0 /14 | The range value-0,1,2,3,4,5 and 6 |
| TEMP | 40080 | Unsigned Integer | 1 | R | | 0 /65535 | The temperature measurement tag |
| TEMP F | 40081 | Float | 2 | R | | -999.9 /999.9 | The temperature value in degree F |
| OFFSET | 40083 | Float | 2 | R | | -9999999.9 /9999999.9 | The temperature cal offset |
| TEMP SLOPE | 40085 | Float | 2 | R | | -10.0 /10.0 | The temperature cal slope |
| NAME | 40087 | String | 8 | R/W | | | The sensor name |
| PARAMETERS | 40095 | Unsigned Integer | 1 | R/W | 0 /1 /2 /4 | | The measurement parameter-0-Conductivity, 1-TDS, 4-Concentration, and 3-Salinity |
| TEMP UNITS | 40096 | Unsigned Integer | 1 | R/W | U25 /26 | | The temperature units: 25-C or26- F |
| HTRY TEMP UNITS | 40097 | Unsigned Integer | 1 | R | U25 /26 | | The temperature units-C or F in cal history |
| FILTER | 40098 | Unsigned Integer | 1 | R/W | | 0 /200 | The filter value |
| TEMP ELEMENT | 40099 | Unsigned Integer | 1 | R/W | 0 /1 /4 | | The temperature element type-0-PT100, 1-PT1000 or 4-Manual |
| USER TEMP | 40100 | Unsigned Integer | 1 | R | | 0 /65535 | The temperature user value tag in manual mode |
| USER TEMP C | 40101 | Float | 2 | R/W | | -20 /200 | The temperature user value in degree C |
| USER TEMP F | 40103 | Float | 2 | R/W | | 0 /392 | The temperature user value in degree F |
| OUTPUT MODE | 40105 | Unsigned Integer | 1 | R/W | 0 /1 /2 | | The output mode during calibration:0-ACTIVE,1-HOLD, 2-TRANSFER |
| CAL LEAVE | 40106 | Unsigned Integer | 1 | R/W | 0 /1 /2 | | The leave option during calibration:0-QUIT_CAL, 1-BACK_TO_CAL,2- LEAVE_CAL |
| SOFTWARE VERS | 40107 | Float | 2 | R | | 0 /100 | The application code version |
| SERIAL NUMBER | 40109 | String | 8 | R/W | | | The sensor serial number |
| BOOTLOADER VERS | 40117 | Float | 2 | R | | 0 /9.99 | The boot code version |
| SENS INTERVAL | 40119 | Unsigned Integer | 1 | R/W | 0 /1 /2 /3 /4 /5 /6 /7 /8 | | The sensor data log interval:0-5_sec, 1-30_sec, 2-1_min, 3-2_min, 4-5_min, 5-10_min, 6-15_min, 7-30_min,8-60_min |
| SENSOR DAYS | 40120 | Unsigned Integer | 1 | R | | 0 /32000 | The sensor operation days |
| DRIVER VERS | 40121 | Unsigned Integer | 1 | R | | 0 /999 | The device driver version |
| COND UNITS | 40122 | Unsigned Integer | 1 | R/W | U50 /51 /32 | | The conductivity units selction-50-uS/cm, 51-mS/cm and 32-S/cm. |
| COND UNITS LIST | 40123 | Unsigned Integer | 1 | R/W | 0 /50 /51 /32 | | The conductivity units list- 0-Auto,50-uS/cm, 51-mS/cm and 32-S/cm |
| MEAS UNITS | 40124 | Unsigned Integer | 1 | R | U50 /51 /32 /37 /2 /31 /10 /25 /26 /114 | | The all measurement units list |
| HTRY COND UNITS | 40125 | Unsigned Integer | 1 | R | U50 /51 /32 | | The conductivity units in cal history |
| CELL VAL | 40126 | Float | 2 | R/W | | 3 /7 | The cell constant value based on the current cell constant K |
| CAL CELL VAL | 40128 | Float | 2 | R | | 2.0 /8.0 | The cell constant value |
| SOLN REF TEMP | 40130 | Float | 2 | R/W | | -20 /200 | The reference temperature value in cond solution cal |
| SOLN TEMP SLOPE | 40132 | Float | 2 | R/W | | 0.0 /4.0 | The temperature slope in cond solution cal |
| LINEAR REF TEMP | 40134 | Float | 2 | R/W | | -20 /200 | The reference temperature value in linear T compensation |

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| Name | Register | Data Type | Length | Access Mode | Discrete Range | Min / Max | Description |
|---|---|---|---|---|---|---|---|
| LINEAR TEMPSLOPE | 40136 | Float | 2 | R/W | | 0 /4 | The temperature slope value in linear T compensation |
| DISPLAY FORMAT | 40138 | Unsigned Integer | 1 | R/W | 0 /1 /2 /3 /4 | | The display format: 0-AUTO, 1-X.XXX, 2-XX.XX, 3-XXX.X, 4-XXXX |
| CAL EDIT TAG | 40139 | Unsigned Integer | 1 | R | | 0 /65535 | The user value tag |
| COND VALUE | 40140 | Float | 2 | R/W | | 0 /9999.99 | The conductivity user cal value |
| EDIT SOLN VAL | 40142 | Float | 2 | R/W | | 0 /9999.9 | The cond solution cal user value |
| CONC VALUE | 40144 | Float | 2 | R/W | | 0 /200 | The concentration user cal value |
| EDIT TDS | 40146 | Float | 2 | R/W | | 0 /99999.9 | The TDS user cal value |
| EDIT SALINITY | 40148 | Float | 2 | R/W | | 2 /42 | The salinity user cal value |
| COND TC TYPE | 40150 | Unsigned Integer | 1 | R/W | 0 /4 /2 /3 | | The cond temperature compensation type-0- linear, 4-natural water,2-user, and 3-none |
| CONC TC TYPE | 40151 | Unsigned Integer | 1 | R/W | 0 /2 /3 | | The conc temperature compensation type-0-linear, 2-user and 3-none |
| TDS TC TYPE | 40152 | Unsigned Integer | 1 | R/W | 0 /2 /3 | | The TDS temperature compensation type-linear, user and none |
| CONC COMP TYPE | 40153 | Unsigned Integer | 1 | R/W | 0 /1 | | The concentration compensation type-0-built-in or 1-user table |
| BUILT-IN | 40154 | Unsigned Integer | 1 | R/W | 1 /2 /3 /4 /5 /6 /7 /8 /9 /10 | | The built-in conc compensation type:1-H3PO4_0_40%, 2-HCl_0_18%, 3-HCl_22_36%, 4-NaOH_0_16%, 5-CaCl2_0_22%, 6-HNO3_0_28%,7-HNO3_36_96%, 8-H2SO4_0_30%, 9-H2SO4_40_80%, 10-H2SO4_93_99%, 11-HF, 12-NaCl, 13-HBr,14-KOH,15-Sea Water |
| TDS FACTOR TYPE | 40155 | Unsigned Integer | 1 | R/W | 0 /1 | | TDS compensation type-0-NaCl or 1-user-defined |
| TDS FACTOR | 40156 | Float | 2 | R/W | | 0.01 /99.99 | The TDS factor |
| TABLE ACTION | 40158 | Unsigned Integer | 1 | R/W | 0 /1 /2 | | The action option in user table configuration:0-INSERT_POINT, 1-EDIT_POINT, 2-DELETE_POINT |
| SAVE TABLE | 40159 | Unsigned Integer | 1 | R/W | 0 /1 /2 | | The save table configuration:0-SAVE_CHANGES, 1-BACK_TO_TABLE, 2-CANCEL |
| X UNITS | 40160 | Unsigned Integer | 1 | R | U50 /51 /32 /37 /2 /31 /10 /25 /26 /114 | | The X units in user table: 50-uS/cm,51-mS/cm,32-S/cm,37-M ohm,2-ppm,31-ppt,10-%,25-C, 26-F |
| Y UNITS | 40161 | Unsigned Integer | 1 | R | U50 /51 /32 /37 /2 /31 /10 /25 /26 /114 | | The Y units in user table:50-uS/cm,51-mS/cm,32-S/cm,37-M ohm,2-ppm,31-ppt,10-%,25-C, 26-F |
| X VALUE | 40162 | Float | 2 | R/W | | ? | The X1 point in user table |
| P2 | 40164 | Unsigned Integer | 1 | R/W | 0 /1 | | The X2 point in user table |
| P3 | 40165 | Unsigned Integer | 1 | R/W | 0 /1 /2 | | The X3 point in user table |
| P4 | 40166 | Unsigned Integer | 1 | R/W | 0 /1 /2 /3 | | The X4 point in user table |
| P5 | 40167 | Unsigned Integer | 1 | R/W | 0 /1 /2 /3 /4 | | The X5 point in user table |
| P6 | 40168 | Unsigned Integer | 1 | R/W | 0 /1 /2 /3 /4 /5 | | The X6 point in user table |
| P7 | 40169 | Unsigned Integer | 1 | R/W | 0 /1 /2 /3 /4 /5 /6 | | The X7 point in user table |
| P8 | 40170 | Unsigned Integer | 1 | R/W | 0 /1 /2 /3 /4 /5 /6 /7 | | The X8 point in user table |
| P9 | 40171 | Unsigned Integer | 1 | R/W | 0 /1 /2 /3 /4 /5 /6 /7 /8 | | The X9 point in user table |
| P10 | 40172 | Unsigned Integer | 1 | R/W | 0 /1 /2 /3 /4 /5 /6 /7 /8 /9 | | The X10 point in user table |

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| Name | Register | Data Type | Length | Access Mode | Discrete Range | Min / Max | Description |
|---|---|---|---|---|---|---|---|
| Y VALUE | 40173 | Float | 2 | R/W | | ? | The Y point in user table |
| RAW COND | 40175 | Float | 2 | R | | 0 /2000000 | The raw conductivity value- not temperature compensated |
| RAW COND SIGNAL | 40177 | Float | 2 | R | | 0 /2000000 | The raw conductance value |
| OP ID | 40179 | Unsigned Integer | 1 | R/W | 0 /1 | | The OP ID:0-no or 1-yes |
| CAL REMINDER | 40180 | Unsigned Integer | 1 | R/W | 0 /1 /2 /3 /4 /5 /6 /7 /8 /9 | | The cal reminder option: 0- OFF, 1-1_DAY, 2-7_DAYS, 3-30_DAYS,4-60_DAYS, 5-90_DAYS, 6-6_MONTHS, 7-9_MONTHS,8-1_YEAR,9-2_YEARS |
| MIN LMIT VALUE | 40181 | Float | 2 | R | | -9999999.9 /9999999.9 | The min. value |
| MAX LIMIT VALUE | 40183 | Float | 2 | R | | -9999999.9 /9999999.9 | The max. value |
| MINIMUM | 40185 | Float | 2 | R | | -25 /0 | The min. temperature value |
| MAXIMUM | 40187 | Float | 2 | R | | 0 /400 | The max. temperature value |
| DATE | 40189 | Time2 | 2 | R | | | The last cal date |
| TIME | 40191 | Time2 | 2 | R | | | The last cal time |
| STATUS | 40193 | Unsigned Integer | 1 | R | 0 /1 | | The last cal status |
| CAL TYPE | 40194 | Unsigned Integer | 1 | R | 17 /7 /10 /9 /11 /5 /12 /1 /3 /8 | | The last cal type:DEFAULT = 17, SAMPLE_CAL = 7, CONC_CAL = 10, COND_CAL = 9, TDS_CAL = 11,ZERO_CAL = 5, SALINITY_CAL = 12, _1_PT_SAMPLE = 1, _2_PT_SAMPLE = 3,COND_SOLN = 8 |
| OP ID | 40195 | String | 2 | R/W | | | The operator initilals |
| CAL DAYS | 40197 | Unsigned Integer | 1 | R | | 0 /10000 | The days since last calibration |
| MESSAGES | 40198 | Unsigned Integer | 1 | R | 0 /1 /2 /3 /4 /5 /6 /7 /8 /9 /10 /11 /12 /13 /14 | | The cal message:1-CAL_READY, 2-CAL_OK, 3-TIME_EXP, 4-NO_BUFFER, 5-SLOPE_HI, 6-SLOPE_LOW, 7-OFFSET_HI, 8-OFFSET_LOW, 9-PTS_CLOSE, 10-CAL_FAIL, 11-DO_LOW,12-CAL_HIGH, 13-K_OUTRANGE, 14-UNSTABLE |
| CARD SERIAL NO | 40199 | String | 6 | R | | | The module serial number |
| LOG FLOAT | 40205 | Float | 2 | R | | -9999999.9 /9999999.9 | The float data type in configuration-change event |
| LOG TEXT | 40207 | String | 8 | R | | | The text data type in configuration-change event |
| LOG INT | 40215 | Integer | 1 | R | | -32768 /32767 | The integer data type in configuration-change event |
| LOG PARAM | 40216 | String | 8 | R | | | The parameter in configuration-change event |
| DATE 1 | 40224 | Time2 | 2 | R | | | The date 1 in cal history |
| DATE 2 | 40226 | Time2 | 2 | R | | | The date 2 in cal history |
| DATE 3 | 40228 | Time2 | 2 | R | | | The date 3 in cal history |
| DATE 4 | 40230 | Time2 | 2 | R | | | The date 4 in cal history |
| DATE 5 | 40232 | Time2 | 2 | R | | | The date 5 in cal history |
| DATE 6 | 40234 | Time2 | 2 | R | | | The date 6 in cal history |
| TIME 1 | 40236 | Time2 | 2 | R | | | The time 1 in cal history |
| TIME 2 | 40238 | Time2 | 2 | R | | | The time 2 in cal history |
| TIME 3 | 40240 | Time2 | 2 | R | | | The time 3 in cal history |
| TIME 4 | 40242 | Time2 | 2 | R | | | The time 4 in cal history |
| TIME 5 | 40244 | Time2 | 2 | R | | | The time 5 in cal history |
| TIME 6 | 40246 | Time2 | 2 | R | | | The time 6 in cal history |
| PAGE NO. | 40248 | Unsigned Integer | 1 | R | | 0 /65535 | The page number in cal history |
| HIDDEN LINE | 40249 | Unsigned Integer | 1 | R | | 0 /65535 | The line hidden tag in cal history |

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| Name | Register | Data Type | Length | Access Mode | Discrete Range | Min / Max | Description |
|---|---|---|---|---|---|---|---|
| HIGHLIGHT LINE | 40250 | Unsigned Integer | 1 | R | | 0 /65535 | The line highlight tag in cal history |
| RESUME READING | 40251 | Unsigned Integer | 1 | R/W | 0 /1 /2 /3 /4 /5 /6 /7 /8 /9 /10 | | The resume reading time delay after calibration:0-lMANUAL, 1-1_MIN, 2-2_MINS, 3-3_MINS, 4-4_MINS, 5-5_MINS, 6-6_MINS,7-7_MINS, 8-8_MINS,9-9_MINS, 10-10_MINS |
| NEXT STATE | 40252 | Unsigned Integer | 1 | R | | 0 /65535 | The next state tag |
| FUNCTION CODE | 40253 | Unsigned Integer | 1 | R/W | | 0 /65535 | The function code tag |
| CAL RANGE | 40254 | Unsigned Integer | 1 | R/W | 0 /1 /2 /3 /4 | | The range number selection:0-R1___1_OHM, 1-R2____5_OHM, 2-R3____50_OHM, 3-R4___500_OHM, 4-R5___5K_OHM |
| VALUE | 40255 | Float | 2 | R | | 0 /999999.9 | The sense/drive ration value |
| SENSE | 40257 | Float | 2 | R | | 0 /5000.0 | The sense value |
| DRIVE | 40259 | Float | 2 | R | | 0 /5000.0 | The drive value |
| OFFSET | 40261 | Float | 2 | R | | 0 /5000 | The offset value |
| RES ONE | 40263 | Float | 2 | R/W | | 0 /2 | The resistor value |
| RES TEN | 40265 | Float | 2 | R/W | | 9 /11 | The resistor value |
| SET RES VALUE | 40267 | Float | 2 | R/W | | 0 /999999 | The resistor value for factory cal |
| SELECT RANGE | 40269 | Integer | 1 | R/W | | 0 /5 | The range selection |
| SET GAIN | 40270 | Float | 2 | R/W | | 0 /999999.9 | The gain constant for each range |
| SET DELTA VALUE | 40272 | Float | 2 | R/W | | -99999.99 /99999.99 | The manual delta correction |
| SET T FACTOR | 40274 | Float | 2 | R/W | | 0 /1500 | The T factor value |
| Factory Cal Mode | 40276 | Unsigned Integer | 1 | R/W | | 0 /5 | The factory cal mode option - on or off |
| TempElemLeakage ICO | 40277 | Float | 2 | R/W | | | The leakage current in temperature element |
| PhaseShift ICO | 40279 | Unsigned Integer | 1 | R/W | | 0 /65535 | The phase shift value |
| PhaseShift ICO | 40280 | Unsigned Integer | 1 | R | | 0 /65535 | The phase shift value in cal history |
| CondValueMicroS Int ICO | 40281 | Unsigned Integer | 2 | R | | 0 /9999999 | The integer value of conductivity in uS/cm |
| ConcMeas Int ICO | 40283 | Unsigned Integer | 1 | R | | 0 /200 | The interger value of concentration in % |
| TDSMeas Int ICO | 40284 | Unsigned Integer | 2 | R | | 0 /9999999 | The interger value of TDS in ppm |
| SalinityMeas Int ICO | 40286 | Unsigned Integer | 1 | R | | 0 /100 | The interger value of Salinity in ppt |
| TempDegCMeas Int ICO | 40287 | Integer | 1 | R | | -20 /200 | The interger value of Temperature in degree C |
| TempDegFMeas Int ICO | 40288 | Integer | 1 | R | | -4 /392 | The interger value of Temperature in degree F |
| NewSensor ICO | 40289 | Unsigned Integer | 1 | R/W | 1 /0 | | The new sensor option - yes or no |
| TempR1Value | 40290 | Float | 2 | R/W | | 1900 /2500 | The temperature circuit R1 value |
| TempR2Value | 40292 | Float | 2 | R/W | | 90 /150 | The temperature circuit R2 value |
| TEMP CAL RAW | 40294 | Float | 2 | R | | -999.9 /999.9 | The temperture cal raw value |
| TEMP CAL OFFSET | 40296 | Float | 2 | R/W | | -999.9 /999.9 | The temperature cal offset value |
| TEMP CAL USER | 40298 | Float | 2 | R/W | | -999.9 /999.9 | The temperature cal user value |
| DD CONTENT | 40300 | Unsigned Integer | 1 | R | | 0 /999 | The device driver content version |

## 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 |