

Modbus Register GSx440sc

V 1.00



Be Right™

GSx440sc V 1.00

| Name | Register | Data Type | Length | Access Mode | Discrete Range | Min / Max | Description |
|---------------------|----------|------------------|--------|-------------|----------------|-----------|------------------------------|
| H2S IN LIQUID | 40001 | Float | 2 | R | mg /l | H2S | |
| H2S IN GAS | 40003 | Float | 2 | R | ppm | H2S | |
| TEMPERATURE | 40005 | Float | 2 | R | C | | |
| SensorName6 | 40007 | String | 6 | R/W | | | |
| SoftwareVersion | 40015 | Float | 2 | R | | | |
| SerialNumber | 40017 | String | 6 | R | | | |
| LIQUID INTERVAL | 40023 | Unsigned Integer | 1 | R/W | | | 0/1/2/3/4/5/6/7/8/9/10/11/12 |
| GAS INTERVAL | 40024 | Unsigned Integer | 1 | R/W | | | 0/1/2/3/4/5/6/7/8/9/10/11/12 |
| TEMP INTERVAL | 40025 | Unsigned Integer | 1 | R/W | | | 0/1/2/3/4/5/6/7/8/9/10/11/12 |
| ProdDate | 40026 | Time2 | 2 | R/W | | | |
| DeviceDriver | 40028 | Unsigned Integer | 1 | R | | | |
| BootVersion | 40029 | Float | 2 | R | | | |
| SIGNAL AVERAGE | 40031 | Unsigned Integer | 1 | R/W | | | |
| OutputMode | 40032 | Unsigned Integer | 1 | R/W | | | 0/1/2 |
| CAL DAYS | 40033 | Unsigned Integer | 1 | R | days | | |
| CAL WARNING DAYS | 40034 | Unsigned Integer | 1 | R/W | days | | |
| LAST CAL DATE | 40035 | Time2 | 2 | R | | | |
| H2S LIQUID LIMIT | 40037 | Float | 2 | R/W | mg /l | H2S | |
| H2S AIR LIMIT | 40039 | Float | 2 | R/W | ppm | H2S | |
| SENSOR SN | 40041 | String | 6 | R | | | |
| SOFT VERSION | 40047 | String | 6 | R | | | |
| SENSOR PRODUCT TYPE | 40053 | String | 6 | R | | | |
| SENSOR ERROR CODE | 40059 | Unsigned Integer | 1 | R | | | |
| BOARD TEMP | 40060 | Float | 2 | R/W | C | | |
| ON HOURS | 40062 | Unsigned Integer | 2 | R | h | | |
| STATUS | 40064 | String | 6 | R | | | |
| SLOPE DATE | 40070 | String | 8 | R | | | |
| ERROR CNT | 40078 | Unsigned Integer | 1 | 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 |



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