

# SG100-O3 ONLINE GAS DETECTOR



SG100-O3 gas detector is an intelligent hot-pluggable fixed gas detector, which is easily for maintenance after installation and continuous monitoring of toxic gases, oxygen, flammable gases. With IECEx, ATEX certificates, explosion level reaches Ex db IIC T6 GB/E x db ia IIC T6 G B/Ex da db ia IIC T6 GB. Having a 3-wire 4 to 20 mA analog output with relays, it also offers HART, RS485 Modbus protocol, making it compatible with most control systems. Adopt magnetic wand design, it's safe and easy to do menu navigation in explosion areas.

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|-----------------------------|---|
| <b>Detected Gas</b>         | O3/Ozone  |
| <b>Measure Range</b>        | 0-1ppm、0-10ppm、0-50ppm、0-100ppm、0-10000ppm (to be specialized)                        |
| <b>Install Method</b>       | Wall-mounted, piping type, flow-type  |
| <b>Output signal</b>        | 4-20mA, 1-5V, 2-10V, RS485, RS232, relays (optional)                                  |
| <b>Precision</b>            | ≤±1%F.S. (to be specialized)  |
| <b>Zero shift</b>           | ≤±1% (F.S./year)  |
| <b>Display</b>              | 4 digits Nixie tube display.  |
| <b>Connection mode</b>      | G3/4 external thread explosion-proof flexible pipe                                    |
| <b>Thread Size</b>          | Standard M20*1.5, 3/4NPT  |
| <b>Temperature</b>          | -20°C~50°C (electrochemistry principle), -40°C~70°C (catalytic combustion principle)  |
| <b>Humidity</b>             | 10-95%RH (non-condensing)   |
| <b>Explosion-Proof</b>      | Ex db IIC T6/ Ex db ia IIC T6 Gb/ Ex da db ia IIC T6 Gb                               |
| <b>Degree of protection</b> | IP66/IP67   |
| <b>Material</b>             | Case: Die-cast aluminum<br>Sensor housing: aluminum alloy or 316 stainless steel      |
| <b>Power</b>                | 12-24V DC   |
| <b>Dimensions</b>           | 158×129×70mm  |
| <b>Weight</b>               | ≤1kg  |
| <b>Approval</b>             | CE, CNEX explosion proof certificate, CMC(China Metrology Certification), IECEx, ATEX |
| <b>Warranty</b>             | 12 months   |