

# Portable SO<sub>2</sub> Gas Detector LPSG-A20



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Portable SO<sub>2</sub> Gas Detector LPSG-A20 is a fast response and high accuracy gas measurement device with 0 to 1000 ppm range. Its internal sampling pump with fast sampling speed and high flow rate, ensures the accurate response time of the detector. Portable nature, small size and offers role in special high intensity engineering plastic housing, suitable for different kinds of situation and environment. The gas concentration unit ppm and mg/m<sup>3</sup> can be shifted quickly and also the local time can be shown on the screen.

## Features

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- Monitor the SO<sub>2</sub> gas concentration in environment.
- Built in micro sampling pump and 10 grades of suction are available
- High speed data transmission by USB, which can download and print data
- Equipped by self-calibration and zero calibration function, makes the detection more accurate and reliable
- Feature by aluminium suitcase and charging adapter
- Two stages alarm with sound and light, alarm point is settable
- The gas concentration unit ppm and mg/m<sup>3</sup> can be shifted quickly
- Rechargeable lithium polymer battery of large capacity
- LCD dot matrix display, the gas type, unit, concentration
- Employing pumping sampling method and the pumping suction is adjustable

## Application

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Portable SO<sub>2</sub> Gas Detector is used in petrochemical and chemical industry, agriculture environment protection, electronic, food, pharmaceutical industry, bio-pharmaceutical plant, green household and Furniture, flooring, wallpaper, paint, gardening, interior decoration and renovation, dyes, paper, medical, corrosion, fermentation process.

## Specification

| <b>Model</b>         | <b>LPSG-A20</b>                              |
|----------------------|--|
| Gas detected         | Sulfur dioxide SO <sub>2</sub>               |
| Detection principle  | Electrochemistry                             |
| Sampling method      | Pumping suction, flow rate can up to 1L/min, |
|                      | ten grades of pumping suction for selection. |
| Measure range        | 0 to 1000 ppm                                |
| Resolution           | 1 ppm  |
| Precision            | 2 % fs                                       |
| Signal output        | High-speed data transmission by USB,         |
|                      | available for data downloading and printing  |
| Response time        | ≤ 10 s                                       |
| Repeatability        | ≤ ± 1 %                                      |
| Zero shift           | ≤ ± 1 % (fs /year)                           |
| Operating language   | English                                      |
| Temperature          | -20° C to 50 °C                              |
| Explosion-proof      | Exib II CT4                                  |
| Alarm mode           | Sound, light, vibration                      |
| Recovery time        | ≤ 10 s                                       |
| Linearity error      | ≤ ± 1 %                                      |
| Display              | LCD dot matrix display                       |
| Gas unit             | Units are switchable                         |
| Humidity             | 0 to 95 % RH                                 |
| Degree of protection | IP66   |
| Operating time       | 100 h (pump off)                             |
| Dimension            | 205 × 75 × 32 mm                             |
| Weight               | 300 g  |