

## TRACE OXYGEN ANALYZER

### PART NO. 0630-SGM01



- Widely used for oxygen concentration measurement in various industries and environments, including air separation, gas production and manufacturing, semiconductors, reflow soldering/wave soldering, food production, and petrochemicals
- The LCD window intuitively displays gas concentration, menus, data, options, working status
- Equipped with pressure compensation to eliminate pressure-induced effects on the sensor, ensuring high accuracy and precision
- Automatically shuts off gas flow when oxygen concentration exceeds the protection threshold, extending sensor lifespan
- Features a unique solenoid valve protected gas path with reliable sealing, can automatically control the purge mode via external input signals

#### SPECIFICATION

<b>Detection principle</b>	electrochemical oxygen sensor
<b>Measurement range</b>	0~1000 ppm (O <sub>2</sub> )
<b>Linearity error</b>	0.01~9.99 ppm: $\pm 5\%$ FS
	10.0~99.9 ppm: $\pm 3\%$ FS
	100~1000 ppm: $\pm 2\%$ FS
<b>Repeatability</b>	0.01~9.99 ppm: $\pm 2.5\%$ FS
	10.0~99.9 ppm: $\pm 1.5\%$ FS
	100~1000 ppm: $\pm 1\%$ FS
<b>Stability</b>	0.01~9.99 ppm: $\pm 2.5\%$ /7d
	10.0~99.9 ppm: $\pm 1.5\%$ FS/7d
	100~1000 ppm: $\pm 1\%$ FS/7d
<b>Sensitivity</b>	0.5% within the full measurement range
<b>Response time</b>	T <sub>90</sub> >60s (25°C)
<b>Background gas</b>	nitrogen, hydrogen, helium, argon, hydrocarbon gases
<b>Calibration gas</b>	N <sub>2</sub>
<b>Sensor lifetime *</b>	2 years
<b>Sample gas pressure</b>	35~210kPa
<b>Sample gas flow rate</b>	1~1.5 L/min (1.2 L/min recommended)
<b>Signal output</b>	RS485
<b>Work environment</b>	32~113°F, <80%RH
<b>Power supply</b>	AC100~240V, 50/60Hz
<b>Hole-opening size (L×W)</b>	5.35×5.35"
<b>Dimension (L×W×H)</b>	5.67×5.67×9.88"
<b>Net weight</b>	7.72lb

\* Sensor lifetime depends on work environment

#### STANDARD DELIVERY

Main unit	1 pc
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