

TRACE OXYGEN ANALYZER

CODE 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

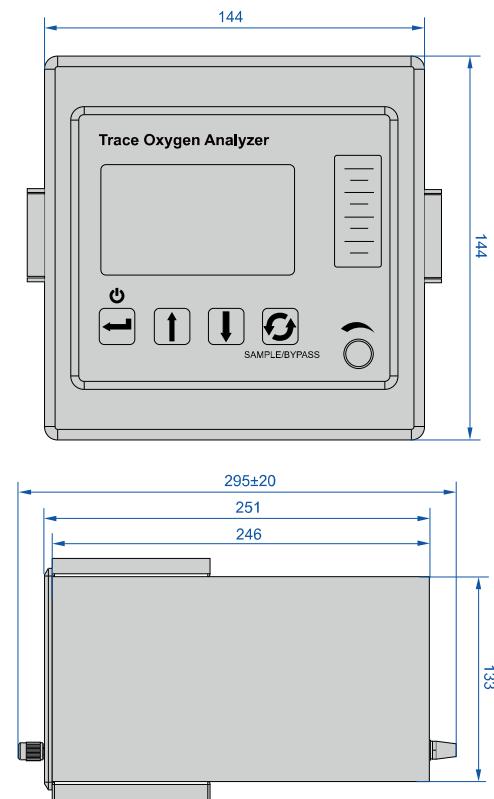
SPECIFICATION

Detection principle	electrochemical oxygen sensor
Measurement range	0~1000 ppm (O ₂)
Linearity error	0.01~9.99 ppm: $\pm 5\%$ FS
	10.0~99.9 ppm: $\pm 3\%$ FS
	100~1000 ppm: $\pm 2\%$ FS
Repeatability	0.01~9.99 ppm: $\pm 2.5\%$ FS
	10.0~99.9 ppm: $\pm 1.5\%$ FS
	100~1000 ppm: $\pm 1\%$ FS
Stability	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
Sensitivity	0.5% within the full measurement range
Response time	T ₉₀ >60s (25°C)
Background gas	nitrogen, hydrogen, helium, argon, hydrocarbon gases
Calibration gas	N ₂
Sensor lifetime *	2 years
Sample gas pressure	35~210kPa
Sample gas flow rate	1~1.5 L/min (1.2 L/min recommended)
Signal output	RS485
Work environment	0~45°C, <80%RH
Power supply	AC100~240V, 50/60Hz
Hole-opening size (L×W)	136x136mm
Dimension (L×W×H)	144x144x251mm
Net weight	3.5kg

* Sensor lifetime depends on work environment

STANDARD DELIVERY

Main unit	1 pc
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Unit: mm