

## P860 Series N2/O2 Analyzer

### Introduction

**P860 series analyzer** is the online intelligent measurement instrument, which adopting advanced ion current oxygen sensor with single chip technology.  $N_2\% = 100\% - O_2\%$ . It has been widely used in the fields of nitrogen separation from air, fertilizer, petrochemicals and biological fermentation.



### Features

- New pattern long-life conversion ion current tester with fast response and high sensitivity
- $N_2$  or  $O_2$  concentration display
- Checking the sensor working state automatically and unique double-line working change mode extending the sensor's life
- Setting alarm value freely
- High precision, automatic temperature compensation, eliminating the impact of environmental temperature

### Technical Specifications

Monitor:	Five-digit dynamic LED monitor, visible display window: 90mm×25mm
Measure Range:	10ppm~21%, 100ppm~21%, 1000ppm~21% $O_2$
Measure Mode:	Air inflowing or convection diffusing
Sample Gas Flow:	150~300ml/min
Accuracy:	±2% F.S
Response Time:	90% of FS reading ≤20 seconds
Ambient Temp.:	-10℃~+50℃
Ambient Humidity:	<80%RH
Stability:	<±1%.FS (168h)
Signal Output:	4~20mA
Power Supply:	220±10% VAC, 50/60Hz, the power loss ≤6VA
Sensor Life:	20000 hours at 25℃ and 1 atm
Warranty:	12 months analyzer; 12 months sensor
Weight:	1kg
Appearance Dimension:	160mm×80mm×176mm (W×H×D)
Opening Size:	151mm×75mm

### Model choice

Item	Model	Measure range
1	P860-3O	21.0%~1000ppm $O_2$
2	P860-4O	21.00%~100ppm $O_2$
3	P860-5O	21.000%~10ppm $O_2$
4	P860-3N	79.0%~99.9% $N_2$
5	P860-4N	79.00%~99.99% $N_2$
6	P860-5N	79.000%~99.999% $N_2$

### Order knowledge

Measure range

Tested gas pressure

Gas composition and impurity