

# EN Ex 系列 防爆气体分析仪

EN Ex Series Explosion-proof Analyzer

## EN-500Ex (ppm O<sub>2</sub>)

Explosion - proof Trace Oxygen Analyzer



### Overview

The EN-500Ex Explosion-proof Oxygen Analyzer is an analytical instrument developed for online industrial use in hazardous areas. It adopts high performance electrochemical gas sensor and microprocessor technology. The analyzer has such function as isolated current output, relay alarm output, communication interface and measured data storage. It continuously measures, displays, and records trace oxygen in nitrogen, argon, helium and many other reducing gases such as hydrogen.

### Features

- ◆ Used in explosive atmosphere in zones 1 & 2, Class Exd II CT6
- ◆ Long-life, maintenance-free, Micro-fuel Cell oxygen sensor
- ◆ High accuracy and sensitivity ; fast response
- ◆ Unaffected by reducing gases such as hydrocarbons and other oxidizable gases
- ◆ Big LCD display, English or Chinese menu to operate
- ◆ Automatic recording of measured data and curve, for checking previous data
- ◆ One isolated, linearized 0~10 or 4~20mADC output
- ◆ One alarm relay, any alarm value can be set up within the full range
- ◆ With RS232 interface for measured data communication

### Specification

Measuring principle: Electrochemistry

Measuring range: 0~10/ 100/ 1000 ppm

Linearity error:  $\leq \pm 2\%FS (> 10\text{ppm})$ ,  $\leq \pm 5\%FS (\leq 10\text{ppm})$

Resolution: 0.01ppm

Outline dimension: 950mm \* 550mm \* 450mm (H x W x L)

### Requirements for sample gas

Temperature: 5~40°C

Pressure: 0.03~0.2MPa

Dust : 0.3 $\mu\text{m}$  or less (Recommended membrane filter)

Moisture: Below a level where saturation occurs at 2°C (condensation unallowable)

