

EN-560 磁氧分析仪

EN-560 PARAMAGNETIC OXYGEN ANALYZER

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OVERVIEW

EN-560 utilizes the paramagnetic susceptibility of oxygen, a physical property which distinguishes oxygen from most other common gases. When the surrounding gas contains paramagnetic oxygen, oxygen molecule will move and form "paramagnetic wind" in a symmetrical non-uniform magnetic field, so that thermo-paramagnetic convection will occur inside thermo-sensitive elements and its resistance value is changed, which is proportional to the oxygen concentration of the surrounding gases. The analyzer has such function as isolated current output, relay alarm output, communication interface and measured data memory.

FEATURES

- ◆ High performance, non-depleting, thermo-paramagnetic oxygen detector
- ◆ With excellent reliability, high-sensitivity
- ◆ No requirement for a reference gas during operation
- ◆ Big LCD display, English or Chinese menu to operate
- ◆ Automatic memory measured data and curve, with checking previous measured data
- ◆ One isolated, linearized 0~10 or 4~20mADC output
- ◆ One alarm relay, with upper or lower limit alarm point can be set within the full range
- ◆ With RS232 interface for measured data communication

SPECIFICATIONS

Measured component: O₂

Measuring range: 80~100%, 97~100%

Linearity error: $\leq \pm 2\%FS$ (0~25%, 80~100%), $\leq \pm 5\%FS$ (97~100%)

Resolution: 0.01%

Outline dimension: Dimensions : 240 x 150 x 280 mm(H x W xL)

REQUIREMENTS FOR MEASURED GAS

Temperature: 5~40°C

Pressure: 0.002~0.2MPa

Dust : 0.3 μ m or less (Recommended membrane filter)

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