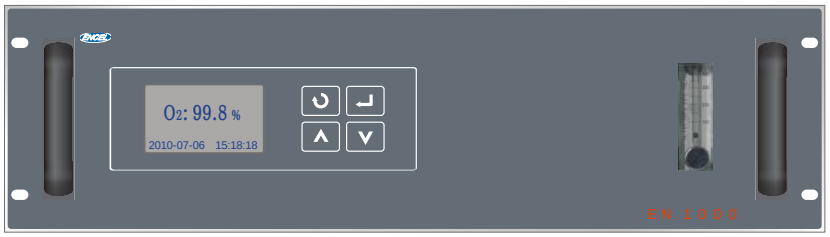
EN1000 系列智能气体分析仪
EN1000 Series intelligent gas analyzer

EN1000-CY
PARAMAGNETIC OXYGEN ANALYZER



OVERVIEW

EN1000-CY utilises the paramagnetic susceptibility of oxygen, a physical property which distinguishes oxygen from most other common gases. When the surrounding gas contains paramagnetic oxygen, two glass spheres suspended in a symmetrical non-uniform magnetic field are pushed further away from the strongest part of the magnetic field.The strength of the torque acting on the suspension is proportional to the oxygen concetration of the surrounding gases. The analyzer has such function as isolated current output, relay alarm output, communication interface and measured data memory.

FERTURES

- High performance, non-depleting, dumbbell ball paramagnetic oxygen transducer
- With excellent reliability, high-sensitivity, low drift and low across-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 privious 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：O_2
Maximum range：0~100%（Arbitrary range option between 0~100%）
Minimum range：0~1%
Linearity error：≤±1%FS
Resolution：0.01%
Outline dimension：19″3U，483×133×360mm

REQUIREMENTS FOR MEASURED GAS

Temperature：5~40℃
Pressure：0.002~0.2MPa
Dust ：0.3μm or less (Recommended membrane filter)
Moisture: Below a level where saturation occurs at 2°C (condensation unallowable)

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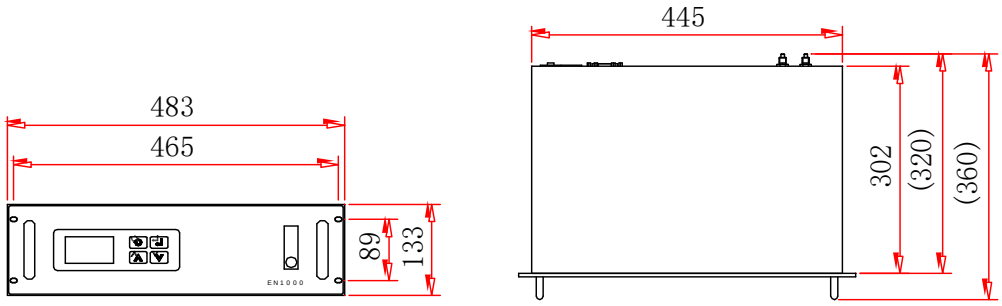
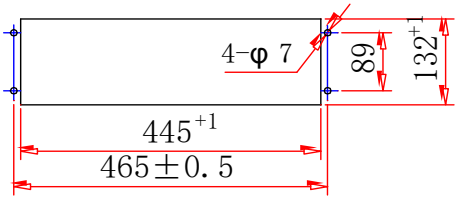
OUTLINE



DIMENSION OF THE HOLE OPENED



WIRING DIAGRAM