

EN EX 系列 防爆气体分析仪

EN Ex Series ATEX Process Gas Analyzer

EN-600Ex

Explosion – proof Hydrogen Analyzer



Overview

The EN-600Ex Explosion-proof Hydrogen Analyzer is an analytical instrument developed for online industrial use in hazardous areas. It utilizes gas thermal conductivity, a physical property which measures specific component in mixed gases through difference in thermal conductivity of various gases. The analyzer has such function as isolated current output, relay alarm output, communication interface and measured data storage. It continuously measures, displays, and records the H₂ volume concentration in the sample gas.

Features

- ◆ Used in explosive atmosphere in zones 1 & 2, Class Exd II CT6
- ◆ With excellent reliability, high-sensitivity, low drift
- ◆ Highly corrosion resistant TCD detector with glass and quartz
- ◆ No requirement for a reference gas during operation
- ◆ 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

Measured component: H₂

Maximum range: 0~100% (Arbitrary range option between 0~100%)

Minimum range: 0~1%

Linearity error: $\leq \pm 1.5\%$ FS

Resolution: 0.01%

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

Requirements for sample gas

Temperature: 5~40°C

Pressure: 0.03~0.2MPa

Dust : 0.3µm or less (Recommended membrane filter)

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

