

▶ XNX

Universal transmitter



Technical specifications

Use: Universal transmitter compatible with many local and remote Honeywell Analytics gas detectors/sensors

Power input: 24 Vcc nominal (18 to 32 Vcc)

Power outputs: Isolated output module 4-20 mA and HART® fully configurable with source or isolated sink operating modes (support for HART® 6.0 protocol) as standard

4-20 mA signal accuracy: ± 1 % of full scale working conditions:

- Temperature : -40 to 65 °C
- Humidity : 0 to 99 % HR (non-condensing)

Output modules (optional) :

- Module 3 NO/NF relays (2 alarms + 1 fault relay) fully configurable (non-compatible with Modbus or Fieldbus option)
- Modbus output module with isolated RS-485 output
- Foundation™ fieldbus output module for connection to a multi-point H1 network.

Material: Aluminum alloy or 316 stainless steel housing with 5 layer marine paint finish.

Dimensions : 160 x 197 x 114 mm

Weight: Aluminum alloy: 2,8 kg / 316 stainless steel : 5 kg

IP rating: IP66 according to EN 60529:1992. NEMA 4X

Installation: Wall mounting – 5 cable/conduit entries (2 on the right, 2 on the left and 1 at the bottom of the transmitter)

International certifications: Europe, United States and Canada

Standards compliancy: ATEX, UL, and CSA

Performances:

- Europe : ATEX, EN45544, EN50104, EN50271:2010, EN13980, EN60079-29-1
- North America : UL 913, UL 1203, CSA 22.2 N° 152
- CEI 61508 (SIL, SIL 2 evaluation), IECEx OD 005

Product description

The **XNX** is a universal transmitter configured to accept inputs from any Honeywell Analytics gas sensor technology. It can also be configured to provide many industry standard output signals.

The **XNX** uses standard 4-20mA and HART cabling and works with several communication protocols (Modbus or Fieldbus optional). Its backlit multilingual LCD screen shows all the necessary status information as text, numbers or icons and 3 relays (optional) are available for servo controls.

▶ International certifications

The **XNX** universal transmitter is approved for use in hazardous areas (international certifications) and its performance is certified. It has an explosion-proof enclosure available in two versions: 316 stainless steel or aluminum alloy with marine paint.

The transmitter is configured in a non-intrusive way in an area, (using a magnetic switch magnet) directly through the glass window of the display. The interface between this sensor and the **XNX** is intrinsically safe, which allows sensor replacement under voltage, in ATEX zone without intervention authorization.

▶ 3 entry card types

This simple and easy-to-use universal platform supports 3 types of entry cards:

- An mV card (millivolt) for all sensors whose signal input is of the mV type, including SignalPoint and SensePoint sensors.
- An EC card (electrochemical sensor) intended for toxic gas or oxygen sensors with electrochemical sensors.
- An IR card (infrared) for SearchPoint Optima Plus and Searchline Excel barrier infrared gas detectors.

▶ Many available output options

The **XNX** has a 4-20 mA linear output proportional to the measurement and the HART communication protocol to access complete diagnosis, configuration or calibration information. Many options are available to increase the capacity and flexibility of this universal transmitter such as:

- Foundation™ fieldbus output (Fieldbus) for connection to a multi-point H1 network (incompatible with the relay option) and/ or Modbus RTU.
- 3 fully configurable relay outputs that can switch depending on the current gas concentration and/or the transmitter status 2 NO/ NC alarm relays and 1 NO/NC error relay