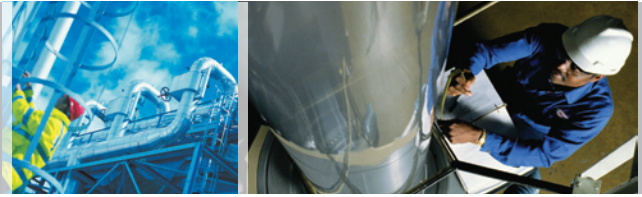# XNX™ Universal Transmitter

Honeywell

A universal transmitter for toxic, oxygen and combustible gas detection compatible with all Honeywell gas sensing technologies

High performance

- Flammable gas detection 0 to 100% LFL/LEL
- Point IR with heated optics provides immunity to poisoning and no hidden faults
- Open-path IR flammable gas detection in LEL-m measurement
- Electrochemical cell offers toxic gas detection in ppm
- IR cell provides CO_2 and combustible gas monitoring
- Robust and reliable operation in explosive areas and harsh environments

Flexible Operation

- 3 versions - supports (Catalytic Bead and IR Cell), Electrochemical Cell and IR (point and open-path) gas detection
- Multi-Purpose Detector (MPD) with field serviceable mV, Catalytic bead and IR Cell capability
- 4-20mA with HART® as standard
- HART Enhanced Device Description Language (EDDL) software*
- Multiple communications options include up to 3 relays, MODBUS® and FOUNDATION® H1 Fieldbus
- Optional local IS port for handheld HART configurator

Easy to Use

- Large, backlit, easy-to-view LCD display offers multi-sensory indicators (visual icons, colored buttons, text, etc.) to display gas and sensor readings
- User interface supported by 8 selectable languages (English, Spanish, German, Italian, Portuguese, French, Russian, Chinese)
- Self-test and fault indication features
- Non-intrusive, one-man operation
- Quick calibration with auto-inhibit

Easy to Install

- 3 or 4 wire operation, source, sink or isolated
- Simple plug-in sensors and replaceable cells
- NEMA 4X IP66 rated for rugged indoor/outdoor use
- Five conduit entries for ease of installation

Cost Effective

- Minimal training required
- One-man operation
- Plug-in sensor replacement
- All necessary accessories included

The XNX Universal Transmitter, now with HART EDDL, marks a new turn in gas detection from Honeywell Analytics. It supports the widest range of sensors on a common platform and offers a modular choice of inputs and outputs.

XNX is designed for flexible integration, simple installation, user-friendly operation and straight-forward maintenance. It is ideal for use with a range of gas monitoring controllers or industry standard PLCs. The introduction of our HART Enhanced Device Descriptor Language (EDDL) software provides users with an at-a-glance indication of the health of their gas detectors in the field.

Bringing together the best solutions in gas detection

Electrochemical

- Proven electrochemical sensing technology
- Surecell™ electrochemical cells are ideal for hot and humid environments
- Long life sensing cells (typical >2 years)
- Patented 'Reflex' sensing element verification diagnostics
- Sensor recognition software auto configures transmitter
- Plug and play factory configured sensors
- Intrinsically safe sensor connection permits hot swap, reducing down time

Catalytic Bead

- Supports Honeywell Analytics 705, 705HT, Sensepoint, Sensepoint HT and MPD sensors
- Fast response to wide range of hydrocarbons and flammables

Infrared (Open Path IR, Point IR, IR Cell)

- Supports Honeywell Analytics Searchline Excel, Searchpoint Optima Plus
- Failsafe operation
- Fast speed of response
- Reduced routine maintenance
- Immune to catalytic poisons
- Long operating life
- Works in inert atmospheres

Universal Gas Sensing and Communications Platform

The XNX's powerful advanced communications module – including our new HART EDDL software – adds increased efficiency, functionality and flexibility to a gas detection network.

XNX offers a variety of communication options to suit your industrial operation's unique and changing needs. HART communication comes standard on the XNX — with optional EDDL — along with optional Modbus, Foundation Fieldbus or relays. It can interface with a PLC and a host of other protocol compatible devices found in industrial applications.
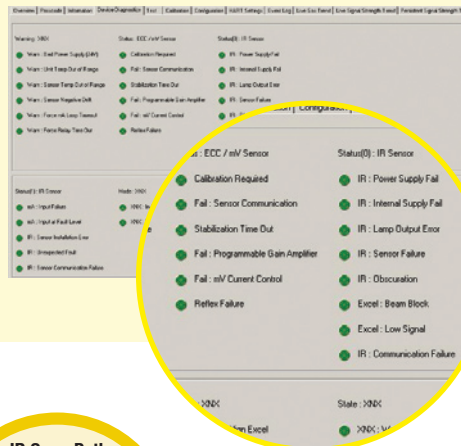
Unique to the XNX and Honeywell Analytics is our new HART EDDL software, which allows you to manage all of your HART devices' advanced diagnostic data right from your PLC.

With the XNX, you are freed from the need to add extra controllers, junction boxes, relays, monitors and other equipment accessories. The integration of our EDDL software also enables the XNX to work with a number of third-party distributed control systems (DCS).
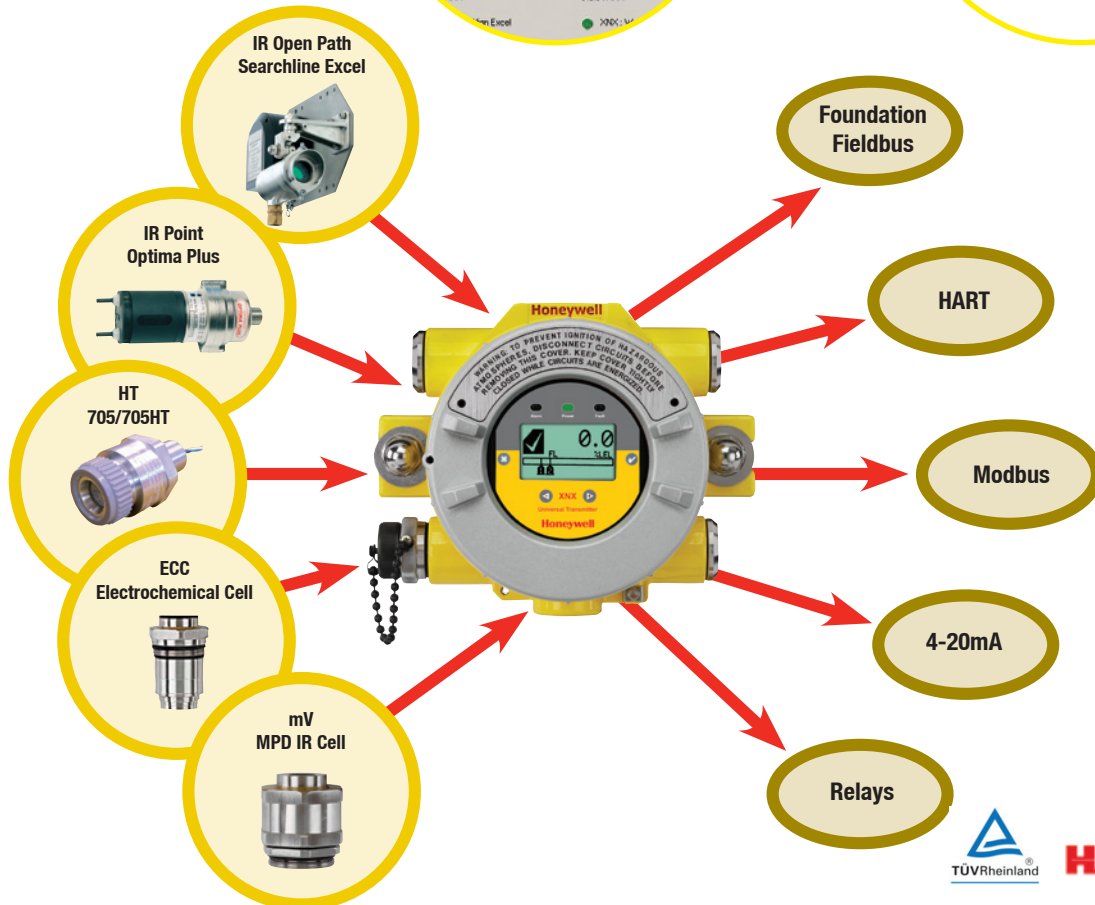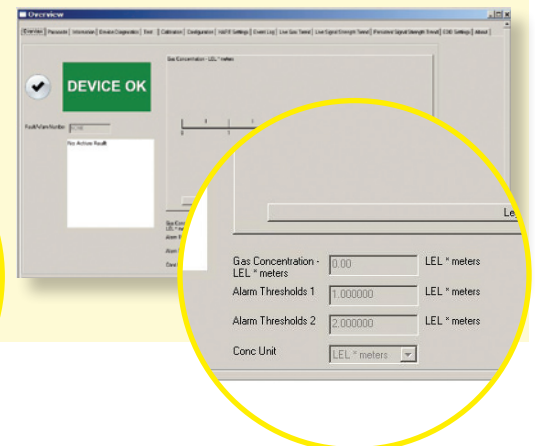
EDDL Software

Honeywell Analytics' EDDL software allows you to get real-time advanced diagnostics without having to custom-program your PLC/DCS. It allows you to manage your gas detection data from your PLC/DCS and generates a visual depiction of the XNX's advanced diagnostics, including protective maintenance, live gas trending, event history and more.

Review your HART device's advanced diagnostic data at any time.

With EDDL, you can check the real-time status of your HART device.

IR Open Path
Searchline Excel

IR Point
Optima Plus

HT
705/705HT

ECC
Electrochemical Cell

mV
MPD IR Cell

Foundation
Fieldbus

HART

Modbus

4-20mA

Relays

Honeywell Analytics Lines of Business

Commercial

Gas detection from standalone units to fully engineered, multi-point systems, all offering cost-effective regulatory compliance

» Applications: parking structures, chillers, mechanical rooms, office towers, commercial buildings, shopping centers, swimming pools, golf courses, schools and universities, laboratories

Industrial

Renowned Sieger and Manning gas detection systems with advanced electrochemical, infrared and open path sensing technologies

» Applications: oil and gas, cold storage, water/wastewater treatment, chemicals, engine rooms, plastics and fibers, agriculture, printing and light industrial

Portables

Single or multi-gas Lumidor and other premium detectors with compact, lightweight designs ranging from simple alarm only units to advanced, fully configurable and serviceable instruments

» Applications: underground utility and electricity ducts, boiler rooms, post-fire sites, sewers, industrial plants, industrial hygiene, first responder teams, remote fleets

High Tech/Government

A complete portfolio of gas and chemical detection instrumentation including infrared spectroscopy (MST) with no cross interference, to Chemcassette paper-based solutions (MDA Scientific) offering detection down to parts per billion

» Applications: semiconductor manufacturing and nanotechnology, aerospace propulsion and safety, specialty chemicals industry, research laboratories, emergency response

Technical Services

24/7 global network includes post-sales service and Systems Integration teams

» Emergency call out, service contracts, on/off-site repair, training and commissioning
» Complete range of spares, consumables and accessories

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