

Money Talks—and the XCD Gas Transmitter by Honeywell Analytics Uses Modbus RTU to Make Gas Monitors ‘Talk’

Modbus greatly simplifies wiring challenges for installers and maintenance personnel—and provides more information faster for troubleshooting or mitigating problems—all of which impact the bottom line.

Money talks, they say. And so, in effect, does Honeywell Analytics’ new Modbus-capable XCD gas transmitter. It can collect a wealth of information from a gas monitoring system — e.g. gas concentration levels, fault states, safety events, sensor life expectancy — and communicate that information locally, on the device’s display, and to a central control.

Knowledge is Power. Time is Money.

Bottom line is, the Modbus-capable XCD gas transmitter is good for industrial operations that already have Modbus and for those contemplating new systems. Why? Armed with more good information, a plant manager can make better business decisions. That person can make wiser decisions about when or how to fix a safety instrumented system, know what went wrong faster, be more certain about what went wrong, and provide the tool that’s required for the repair before even going to inspect the job. In other words, a more knowledgeable safety-minded plant manager can save the company time by reducing maintenance tasks, time and costs. Through XCD with Modbus, the plant manager can help his or her company run more safely and efficiently while saving time — and thus, money.

Reduce Wiring, Increase Productivity and Profits

A huge advantage of XCD is its potential to reduce wiring costs. With Modbus, devices can be daisy-chained, instead of

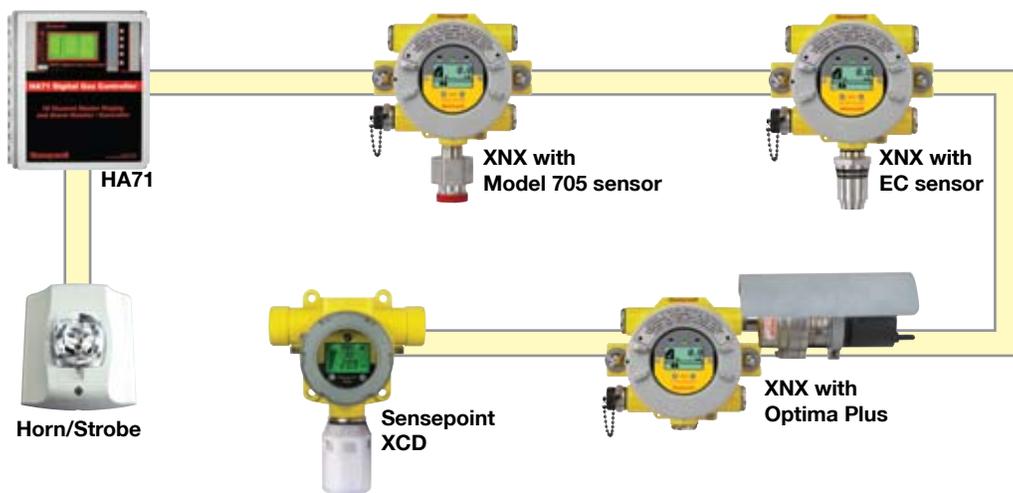
put on the “home run” configuration with each device running wires to a central location. This convenience gives installers the ability to meet specific application requirements quickly, economically and effectively. The easy-to-use wiring scheme shortens installation time and labor costs. Using Modbus, installers can be more productive. They can win more bids and work faster and easier. And for the plant manager, Modbus helps an operation run more safely and effectively, which is to say, profitably.

Improve Diagnostics

XCD with Modbus can inform the plant manager or maintenance technician immediately when a gas monitor enters a fault state, so that person can diagnose the problem remotely and go right to the troublesome gas monitor, armed with the right tool, a fresh sensor, or whatever else is needed. In other words, XCD with Modbus makes it easier to do a repair quickly and do it right the first time. Predictive maintenance is easier, too because each device on the network has a specific node, or identity. Corrective action can be taken quickly, and the changes of mitigating the consequences of a faulty gas monitoring system can be greatly enhanced.

The XCD can also be used for datalogging information, when it is desirable to do so. An event log ensures that the safety manager is compliant with safety regulations, that the system is operational and if there has been an alarm, how much gas was released. A log can be compiled for usefulness in trending, forecasting, budgeting and product design — all of which boost the bottom line.

A Complete Gas Detection System with Modbus RTU Connectivity



This diagram illustrates a Modbus-compatible configuration showing XCD Gas Transmitter linked with other Honeywell Analytics gas detectors on a multi-drop system. The system has been tested and field proven — and works out of the box!

**Put XCD with Modbus to work for your bottom line now!
Call Honeywell Analytics at 800-955-8200.**