

WALKER TALKER

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Wireless Ethernet Radio

Wireless Ethernet radio uses the IEEE 802.11 public standard to provide a high-speed connection to help increase productivity, heighten safety, and lower cabling costs. The 802.11 standards allow for interoperability between different manufacturers' devices which demands high security. Today WPA/802.11i and 802.1x authentication provide for the highest level of security for a system to communicate in the worldwide 2.4 GHz and 5 GHz license-free bands.

Industrial wireless Ethernet products from Phoenix Contact provide you reliable transmission of your Ethernet driven system. Their family of wireless products includes three options:

Trusted Wireless Ethernet (TWE)

The trusted wireless Ethernet radio utilizes a proprietary wireless engine. MOTR-9 technology gives you flexibility to integrate the TWE into your system by allowing adjustable over-the-air speeds and AES encryption.

High Power WLAN

The HPWLAN allows you to extend your existing wireless Ethernet network by pushing the signal further with more power over the 2.4 GHz RF spectrum.

WLAN

WLAN radios have the ability to act in a variety of ways: Access Point, Client, and Bridge/Repeater. Also offered, is a radio with expandable I/O bus connection to allow 802.11



In Situ Measurement of Nitrate and Ammonium

Endress + Hauser's new ISEmax CAS40 is an ion-selective electrode system for the continuous measurement of ammonium and nitrate. The system consists of a sensor, electrodes and a transmitter with display and operating elements and is mounted on the basin rim. Up to two ion-selective sensors simultaneously measure the nitrate and ammonium in the activated sludge basin.

The ion-selective electrode system ISEmax works directly in the activated sludge basin of the municipal waste water treatment plant without any sample conditioning or sample transportation.

It can be applied in:

- Nitrification
- Denitrification
- Inlet of the aeration basin



tyco Environmental Systems

UltraCEM Continuous Emissions Monitoring System

The UltraCEM system is a 5-channel close coupled outdoor field mount continuous emissions monitoring system using proven extractive monitoring technology; UltraCEM-P systems are available for indoor mount applications. UltraCEM-PD systems use dilution technology, and are ideal for coal fired applications requiring "wet" basis measurement as required by EPA 40 CFR Part 75 regulations. All UltraCEM systems provide powerful but cost effective emissions monitoring.

High-Tech Jargon

NEW: Different color from previous design
ALL NEW: Parts not interchangeable with previous design
EXCLUSIVE: Imported product
UNMATCHED: Almost as good as the competition
DESIGNED SIMPLICITY: Manufacturer's cost cut to the bone
FOOLPROOF OPERATION: No provision for adjustments
ADVANCED DESIGN: The advertising agency doesn't understand it
HERE AT LAST!: Rush job; nobody knew it was coming
FIELD-TESTED: Manufacturer lacks test equipment
HIGH ACCURACY: Unit on which all parts fit
DIRECT SALES ONLY: Factory had big argument with distributor
YEARS OF DEVELOPMENT: We finally got one that works
REVOLUTIONARY: It's different from our competitors
BREAKTHROUGH: We finally figured out a way to sell it
FUTURISTIC: No other reason why it looks the way it does
DISTINCTIVE: A different shape and color than the others
MAINTENANCE-FREE: Impossible to fix
RE-DESIGNED: Previous faults corrected, we hope...
HAND-CRAFTED: Assembly machines operated without gloves



PROCESS CONTROL
TRAINING
OPPORTUNITIES
at our 8th annual



AUTUMN AFTERNOON SEMINAR SERIES

Friday, October 2, 2009
12:30 – 3:00 p.m.
O'Neill KOC Hall
616 West Seminary Avenue
Lutherville, MD

12:30 – 1:30

ETHERNET IN THE INDUSTRIAL AND PROCESS ENVIRONMENT

Dan Sylawa, Phoenix Contact

Learn how industrial Ethernet can be the right choice for your control system for cost savings, flexibility, and reliability.

1:45 – 2:45

CALIBRATION TIPS AND TRICKS

Chris Delsordo, Endress + Hauser

Learn about best practices and recent advances in calibration technology. See the Endress + Hauser portable calibration rig.

Give us a call at 410-666-2142 or visit www.prwalker.com for reservations or more information.

Seating is limited, registration is required!

New Prosonic 93T Portable Liquid Flowmeter for ½" to 160" pipes

Endress + Hauser's NEW Model 93T Ultrasonic Transit Time clamp-on non-intrusive portable liquid flowmeter is now available as an extension of the E+H flow measurement product line.

The 93T is ideally suited for regulatory or governmental compliance activities, process monitoring, check metering, expansion planning, in situ verification of other flow devices, flow studies, verification of pump performance or valve function, check valve performance, or inventory transfer and many more.

The Prosonic 93T portable kit can be used practically anywhere including: utility measurements in the chemical and petrochemical industries, energy generation cooling water, condensate return, boiler makeup water or in district heating hot and cold water supply.

The 93T is ideal for all types of fluids including non conductive applications where Magnetic meters cannot operate.

The Model 93T is an easy, accurate, quality instrument that provides fast and reliable flow measurement data. That same data can also be captured in the impressive onboard data logger to allow for easy and intuitive analysis.



ProMinent® NEW PROMIX S-SERIES POLYMER SYSTEMS

The ProMix S-Series are complete activation and dosing systems for concentrated liquid polymer.

The ProMix is a pre-engineered polymer mixing system made for the water and wastewater markets. Designed as an in-line unit, the ProMix can be customized to meet most liquid polymer applications utilizing tubing pump technologies.



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Phoenix Contact
Poly Processing
ProMinent
Schubert & Salzer
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Universal Flow Monitors
Wedgewood Analytical
WIKA Electronic Temperature Div.

Manufacturers' Representative
Serving Maryland, Washington, D.C.,
Virginia, and Lower Delaware since 1970