

# REALTECH Controls

Technology Powered Solutions ®



**REALTECH** Controls is an automation technology-powered solutions provider. We manufacture customized systems, as well as distribute quality brands, and are able to provide complete solutions and support for industrial process control. Based in Los Angeles California, we also offer complimentary, professional advice and consultation with over 26 years of industry experience, to provide unrivaled customer service, and satisfaction.

Our main industries are water and waste water, utility companies, oil and gas, power, pharmaceutical, food and beverage, cement, and process automation.

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**RealTech Controls is the exclusive West Coast Distributor for the following manufacturers:**



Analynk Wireless is an innovative designer and manufacturer of wireless instrumentation for the process control industry. Manufactured in Ohio, their reliable radio's are used extensively throughout the USA, for both hazardous and non-hazardous locations.



EMEC s.r.l is an Italian manufacturer of Water Analyzers, Dosing pumps, Controllers & Accessories. Established for over thirty years, EMEC is also well respected in Europe, Australia and around the world with extensive experience in providing water treatment solutions.

**RealTech Controls is also proud to be affiliated and offer products from with these manufacturers:**



PR Electronics is a leading company in the field of Signal Conditioning, Isolation, Measurement, and Transmission of industrial process signals. Many PR Electronics products comply with local, and international certifications such as UL, FM, IEC, ATEX, CE, CSA, INMETRO, DNV, and more.



Electro-Chemical Devices (ECD) is a manufacturer of liquid analytical process instrumentation. Founded in 1977, for over 40 years ECD has built its industry-leading reputation by commitment to customers through this basic approach: Provide quality products, develop technical innovations, and provide responsive, knowledgeable service.



Aparian is a leading manufacturer of network routers and communication converters for industrial PLC and SCADA systems. Many products are Rockwell Encompass partner approved, and they continue to innovate in the field of Ethernet/IP, HART, Modbus, and many other routers and associated signal converters.



Wilcon Industries is a high quality manufacturer of Industrial Temperature sensors, including RTD's, Thermocouples, and NTC's. California based, they are cost effective, and deliver extremely fast turn around times for customized sensors.

## Wireless Transmitters, Receivers, and Systems

### Discrete Radios

- Bi-directional analog and digital signals
- Up to 21 miles line of site transmission
- Up to 1 mile obstructed transmission
- 900Mhz Secure spread spectrum encrypted
- Expansions to 32 I/O per channel, 8 channels

### Systems

- Plug-and-play control panel solutions
- Explosion-proof enclosures and antennas
- Redundancy, simulation, calibration, alarms
- Smart-device enabled Bluetooth app
- Solar panel systems



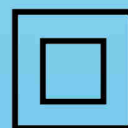
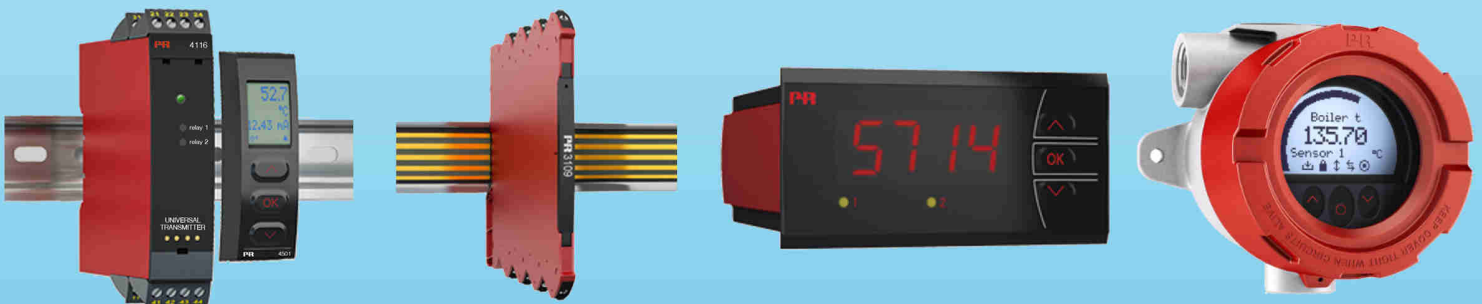
## Signal Conditioners / Converters

### Transmitters

- Universal input: mA, V Temp, Pot, Loop, Hz
- Outputs for mA, V, Hz, and Relay options
- Intrinsically safe barriers / transmitters
- Isolated single and dual channel versions
- Clip-on display with data logging option
- Bluetooth or Modbus communication options

### Panel Meter Displays

- Universal inputs: V, mA, Temp, Pot, Loop, Hz
- mA and Relay output options
- User friendly menu structure & programming
- 1/8" DIN size with Nema 4X rating
- 3-Way galvanic isolation
- LED and loop powered LCD display options





# Water Treatment Analyzers and Controllers

## Measurements

- Free and Total Chlorine
- Zero Chlorine
- Conductivity and TDS
- pH and ORP
- Dissolved Oxygen
- Ozone
- Ammonia
- Turbidity and TSS
- TOC, BOD, COD
- Hydrogen Peroxide
- Peracetic Acid



## Technology

- Instruments with 1, 2, 6, or 8 channels
- User-friendly menu with fast calibration
- Backboard mount plug-and-play systems
- DIN rail, panel mount or IP65 field mountable
- Alarms, data logging, 4-20mA outputs
- Remote web-server with email / SMS alarm
- Cellular, Ethernet, Modbus, or WiFi communication
- Swimming pool controllers



## Chemical Dosing

### EMEC Diaphragm Pumps

- Solenoid driven
- Motor driven
- Stepper motor driven
- Flow monitoring with alarms
- Manual, pulse or mA speed control
- Automatic de-gassing heads for Chlorine
- Multi-function back-pressure & relief valves
- PVDF Diaphragm with 5 year warranty

### Stenner Peristaltic Pumps

- Continuously rated fixed & variable speed
- Double heads for high flow rates
- On/off and analog speed control
- Manually adjustable duty cycle
- Nema 4X, IP65 and NSF rated
- Up to 170 GPD at 25 PSI, or 40 GPD at 100 PSI
- Min 0.04 Oz/Hr at 80 PSI



## Control Panel Solutions

### Devices

- Signal Conditioning & Wireless Transmitters
- Panel meter displays
- Ethernet/IP <-> HART converters
- Modbus routers
- Honeywell PMIO scanner



**Encompass™  
Product Partner**

A ROCKWELL AUTOMATION PARTNER  
Americas • EMEA

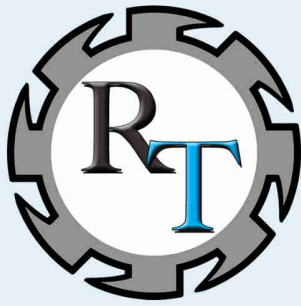


### Accessories

- Universal sensor holders and flow cells
- Control panel LED lighting
- Data loggers
- Chemical Suction and injection lances
- Chemical injection pulse dampeners
- Calibration solutions







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## Backboard mounted systems

### Water treatment



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## Industries where our products are extensively used

### Water analyzers & Dosing Pumps:

- water and waste water treatment
- potable water
- cooling towers
- greenhouse and nursery
- boilers
- swimming pools
- agriculture
- process industries

### Signal conditioning / Wireless

- energy and power
- oil and gas
- pharmaceutical
- pulp and paper
- cement
- pumps stations and tank farms
- food & beverage
- laboratories / clean rooms

