![ECD - Electro-Chemical Devices]

Electro-Chemical Devices

Reliable Liquid Analyzers Help Users Achieve Industry Certifications & Regulatory Compliance

Bio-Tech, Chemical, Food & Beverage, Oil/Gas, Pharmaceutical Power, Semiconductor, Water & Wastewater Treatment

Anaheim, CA—August 10, 2017— With their intelligent design, precision accuracy and excellent reliability, the family of modular **S80-T80 Liquid Analyzers** from **Electro-Chemical**

Devices (ECD) provides engineers and managers with the consistent process data they need to obtain and maintain a wide range of global, regional and local quality, environmental, safety and other certifications, as well as achieve government regulatory operational compliance.

All S80-T80 Analyzers are manufactured to strict standards for superior quality and dependability. ECD's dependable analyzers are manufactured to strict standards for superior quality manufacturing and design functions and approved and certified to ISO9001 and IECEx Directives and Quality Assessment Standards.

The ECD instrumentation portfolio is covered by international certifications for CSA, FM, IECEx and ATEX with various hazardous location type design approvals available. The company employs the latest statistical-based process control and continuous improvement methodologies to ensure it delivers sensors and other products that are of the highest quality available. All products come with a full warranty and superior customer care.

ECD's intelligent S80 Sensors measure pH, ORP, pION, dissolved oxygen, turbidity, conductivity or resistivity in liquid processes. They are suitable for application in many industries including: bio-tech, chemical, food/beverage, pharmaceutical, power generation, semiconductor, water disinfection, wastewater treatment and more.

S80 Sensors feature two universal sensor designs: (1) Insertion/Submersion or (2) Valve Retractable with flared end to prevent blow out. The standard S80 Sensors are manufactured with a rugged 0.75-inch OD 316 stainless steel body and come with varying cable lengths or an optional waterproof detachable cable assembly.

The unique design of the S80 Sensors recognizes the universal T80 Transmitter for automatic configuration set-up. They can be combined into a complete plug-and-play analyzer system for any of the available measurement parameters. The S80 Sensors are ready for direct in line pipe insertion, submersion, or open tank applications. The sensors contain a unique replaceable electrode design for lowering overall cost and ease of use. Only the electrode needs to be replaced, not the complete sensor.

The T80 Universal Transmitter is a single channel device designed for the continuous measurement of multiple parameters in a general-purpose industrial environment. It communicates with any pre-calibrated S80 sensor and automatically configures the transmitter's menus and display screens to the measured parameter. With the T80's auto configuration

capability to any of the available sensor measurements, there is no longer any need to inventory multiple instrument types, saving time and reducing plant operating costs.

The T80 Universal Transmitter is flexible and user-friendly. It offers membrane switch navigation, a simple menu structure with soft key menu choices and an easy-to-read 2.75-x-1.5-inch LCD display. It is available with 4-20 mA output with MODBUS RTU on 24 Vdc and 110/220 Vac instruments. The T80 also can be configured with optional HART$^{®}$ 7 communications and an optional three alarm relay.

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About Electro-Chemical Devices

Electro-Chemical Devices (ECD) is a manufacturer of liquid analytical process instrumentation. Founded in 1977, ECD has been in business for over 30 years and has built its industry leading reputation by its commitment to customers through this basic approach: Provide quality products, develop technical innovations and provide responsive, knowledgeable service.