

WebTRAC™ SPECIFICATIONS

SYSTEM DESCRIPTION

WebTRAC™ is Chemtrac's process monitoring and control system. The WebTRAC™ system includes a graphical user interface that resides in the Web Access Controller (WAC), and remote I/O modules to interface to field instrumentation. WebTRAC™ can be customized to perform monitoring and control functions of any typical plant application. WebTRAC's versatility allows secured accessibility via a local area network (LAN), wide area network (WAN), Internet, telephone line, or direct pc connection. WebTRAC™ uses standard internet browsers and open industry standard protocols to create a common environment that connects and shares information. WebTRAC™ is scalable to allow unlimited number of inputs and outputs.

WebTRAC™ is designed to work seamlessly with Chemtrac's Streaming Current Monitors, Particle Counters and Particle Monitors, and will easily accept signals from other analytical field devices such as Turbidimeters, Chlorine residual analyzers, pH, etc.

STANDARD COMPONENTS

Web Access Controller (WAC): The WAC is a compact pc platform with an integral hard drive. It is a panel mounted industrial hardware package specifically designed for mechanical room or factory floor settings. The standard configuration of the WAC provides integrated control, supervision, and data management solutions for integration of multiple system protocols. The controller provides management of global control functions, data management across multiple networks, and hosts multiple users accessing the system over local area, wide area, internet, or dial up modem networks.

Platform: Niagara Framework™ by Tridium™	Operating System: Windows™ NT, Service Pack 4
Communications: Ethernet (10 BASE-T), LonWorks® 78KB FTT-10A, *Two Serial Ports	Environment: Temperature 0-55°C (131°F), Humidity 5-95% non-condensing
Agency listings: CE	Power: 95-260 VAC, 47-63Hz
Dimensions: Width 172mm (6.8"), Height 192mm (7.6"), Depth 256mm (10"), Weight 2 Kg (4.41 lbs)	*Serial Communications: Inquire with Chemtrac for list of optional drivers and protocols supported

I/O Node: The I/O Node incorporates multiple channels of analog and digital I/O. These I/O are controlled by the advanced Neuron® control and communications chip. User defined algorithms and functions can be programmed for the I/O Node using LonWorks programming tools. The program is stored in non-volatile memory so it is retained even after loss of power.

Communications: LonWorks® Protocol	Power: 85-265 VAC, 47-63Hz
10 Universal/Analog Inputs: 0-5VDC, 0-10VDC, 0-20mA, thermistors or dry contact inputs	14 Digital Inputs: Dry Contact or TTL
8 Analog Outputs: 0-10VDC, Optional Isolated 4-20mA (600 Ohm load)	14 Digital Outputs: Relay outputs, 1A @ 24VAC
Dimensions: W 285mm (11.2"), H 336mm (13.2"), D167mm (6.6"), Weight 3.1 Kg (7 lbs)	Environment: Temperature 0-70°C (158°F), Humidity 5-95% non-condensing

System Customization: WebTRAC™ is a built-to-fit process control system designed to perform user defined process functions. The graphical user interface allows password assigned users to view, edit, and control from any standard web browser. Proprietary software or a dedicated computer is not required.

Custom Process layout: Any process scheme can be created to fully comply with exactly what the end user requires	Configuration: Point and click to setup, name, scale, and enable all inputs
Documentation: Embedded system and instrument manuals	Charting and Reporting: All data resides in the WAC and is available for report and graph generation
Audit Trail: Database of any change to the system settings is logged according to username and process variable	Email Notification: System will alert user defined addresses of system alarms
Alarms: Alarm acknowledgement and logging	Integration: Integration of LonWorks field devices

OPTIONS:

Additional I/O NODES for integration of existing field devices.

Protocol Conversion for integration of systems that use other protocols. Call Chemtrac for list of drivers supported.