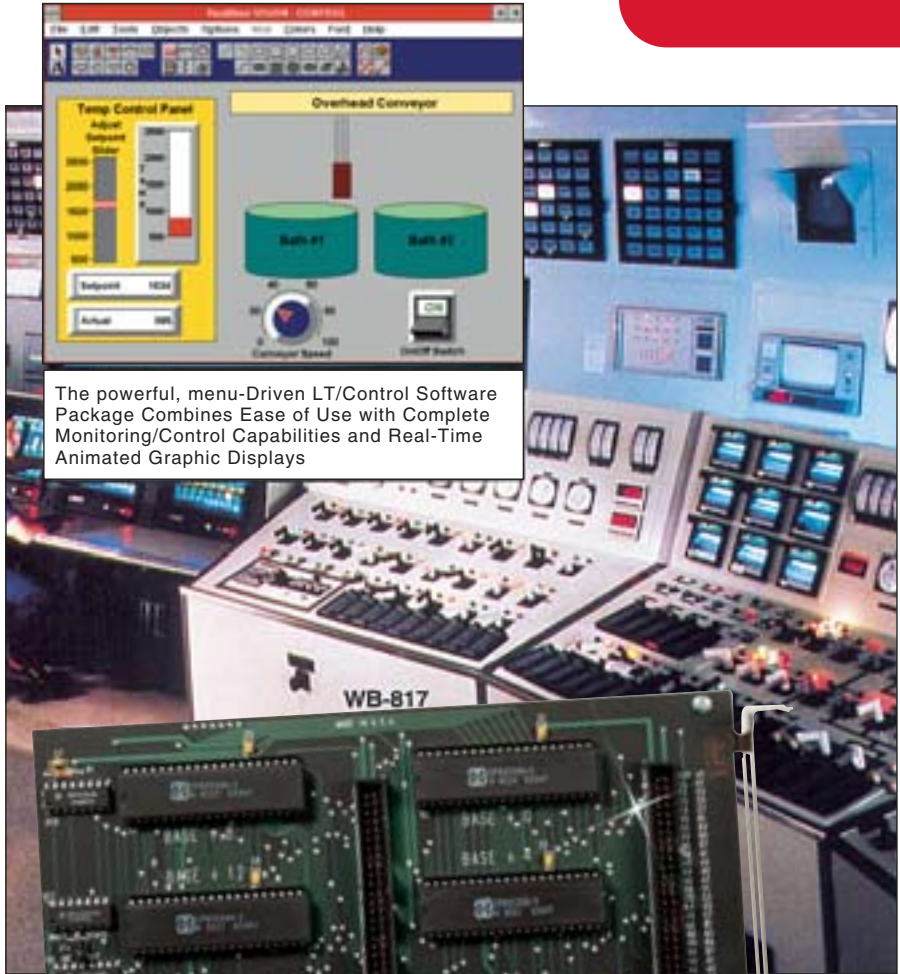
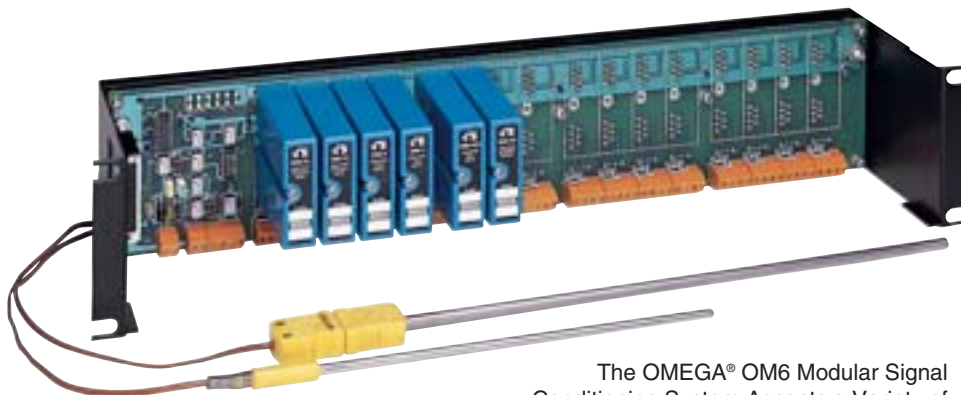


CUSTOM ENGINEERING LEVEL III

X



The powerful, menu-Driven LT/Control Software Package Combines Ease of Use with Complete Monitoring/Control Capabilities and Real-Time Animated Graphic Displays



The OMEGA® OM6 Modular Signal Conditioning System Accepts a Variety of Process Inputs, and Provides Analog Outputs Through Computer Control

The OMEGA® CIO-DIO96 Digital I/O Board Provides Digital Output Capability, to Drive External Alarms, as Well as Enables Computerized Control

Monitor Alarms

The use of one OMEGA® CIO-DIO96 digital I/O board with four SSR-RACK24 interface racks and SSR modules provides up to 96 channels of alarms. Each alarm channel can be configured individually to any of the measured inputs.

Flow Control

Each of the valves controlling the flow rate requires a 4 to 20 mA analog signal. OM6-AO modules provide the necessary signal, along with the necessary signal isolation.

Temperature Control

The temperature control requirements dictate manual override capability, so a CN2000 controller with remote analog setpoint is selected. Because branching off a single thermocouple is not recommended, a dual element thermocouple is used. One signal from this probe is used to feed the controller, and the second signal is fed to an OM6 module for computerized process monitoring. The controller's remote setpoint option allows the controller's setpoint to be changed by the computer via an OM6-AO module.

Software

The recommended software is LT/Control. LT/Control provides a powerful, menu-driven approach to acquisition and control, with the capability to display all parameters graphically. It features animated graphics, PID control capability, event triggering, as well as the required data storage.

Sensors

In addition to dual element thermocouples, OMEGA supplies all the required temperature, pressure and flow sensors required for this system. After purchase, the customer takes advantage of the toll-free technical support that OMEGA offers, to make sure that the installation is correct, and to receive any additional help in installing and using the various pieces of equipment. 