

SPECTRAPAK®-E

Spectrum Systems SpectraPak®-E is a rack-mount data acquisition controller capable of handling analog and digital inputs as well as generating digital outputs. Two single-board embedded controllers allow the *SpectraPak®-E* to process 20 digital inputs, 20 digital outputs, 22 analog inputs as well as communicate to any *Modbus* capable device via *Modbus/TCP*. Each controller incorporates an *Ethernet* port for and *SpectraView® Prism Server* and *Modbus* connectivity. Configuration can be performed via the *RS-232* or *Ethernet* port.

Each onboard controller runs non-site specific firmware storing the value of each digital input/output, analog output, and *Modbus* value every 10-seconds for approximately 11 days. Standalone digital output sequencing provides for autonomous control of scheduled QA tasks, such as daily calibrations. Storage and sequencing allows each *SpectraPak®-E* controller to continue to operate if *SpectraView® Prism Server* communications are interrupted and provide a mechanism for data syncing when communications are restored.