
Features of CPP-3794

Provided below is a compact listing of the features of the CPP-3794.

- 30 channel units
- 12 independent serial ports
 - ◊ RS-232, RS-422, RS-485
 - ◊ Polled or broadcast interfacing
 - ◊ Serial interfaces and control for all major instrument manufacturers
- 16/32 A/D inputs
 - ◊ Selectable gain ranges
 - ◊ Isolated inputs available
- 20/40 Digital inputs
- 20/40 Relay outputs
- Selectable averaging intervals
- Selectable rolling averages
- Channel to channel calculations
- Instrument calibrations
 - ◊ Controlled by internal clock
 - ◊ Controlled by external signals
 - ◊ Controlled by both
 - ◊ Calibrations controlled over serial ports
 - ◊ Serial control of mass flow calibrators
- Parallel printer port
- Boolean functions
- Curve fit capabilities
- Data validation/purges/blowbacks
- Can assign labels to all digital I/O
 - ◊ Assign labels to sequencers
 - ◊ Assign labels to Boolean functions
 - ◊ Assign labels to alarms
- Supports external I/O devices
 - ◊ External digital I/O
 - ◊ External analog I/O
 - ◊ Dutec/OptoMux compatible
 - ◊ Modbus RTU Protocol
 - ◊ Modbus ASCII protocol
 - ◊ Hot pluggable modules
- Accepts two simultaneously polling central processing units
- Meteorological calculations
 - ◊ Vector/scalar WS/WD
 - ◊ Sigma Theta - 2 types
 - ◊ Sigma W
 - ◊ Rainfall
 - ◊ Serial data collection
 - ◊ Direct met interfacing
- Password protection
 - ◊ Three levels password
- Sequencers
 - ◊ Calibrations
 - ◊ Blowbacks
 - ◊ Stream switching
 - ◊ Control
- Front panel LCD/control
- Pluggable connections
- Real time clock
- Battery backup
- 120/240 or DC operation
- Rear panel voltages
- Alarming
 - ◊ High/low warnings
 - ◊ High/low alarming
 - ◊ Assign labels to alarms
- Up/down load system configuration
- Comma delimited ASCII data transfers
- Solid state RamPack for long term data storage
- Modbus I/O
 - ◊ Output #/hr, #/mBTU, corrected data to external device, or DCS
 - ◊ Output corrected data values

Features of CPP-2001

Compact listing of the features of the CPP-2001

- 30 channel units
- 12 independent serial ports
 - ◇ RS-232, RS-422, RS-485
 - ◇ Polled or broadcast interfacing
 - ◇ Serial interfaces and control for all major instrument manufacturers
- 16 A/D inputs
 - ◇ Selectable gain ranges
 - ◇ Isolated inputs available
- 8 Digital inputs
- 8 Relay outputs
- Selectable averaging intervals
- Selectable rolling averages
- Channel to channel calculations
- Instrument calibrations
 - ◇ Controlled by internal clock
 - ◇ Controlled by external signals
 - ◇ Controlled by both
 - ◇ Calibrations controlled over serial ports
 - ◇ Serial control of mass flow calibrators
- Parallel printer port
- Boolean functions
- Curve fit capabilities
- Data validation/purges/blowbacks
- Can assign labels to all digital I/O
 - ◇ Assign labels to sequencers
 - ◇ Assign labels to Boolean functions
 - ◇ Assign labels to alarms
- Supports external I/O devices
 - ◇ External digital I/O
 - ◇ External analog I/O
 - ◇ Dutec/OptoMux compatible
 - ◇ Modbus RTU Protocol
 - ◇ Modbus ASCII protocol
 - ◇ External DAC's for analog outputs
- Accepts two simultaneously polling central processing units
- Meteorological calculations
 - ◇ Vector/scalar WS/WD
 - ◇ Sigma Theta - 2 types
 - ◇ Sigma W
 - ◇ Rainfall
 - ◇ Serial data collection
 - ◇ 1 level Direct met interfacing
- Password protection
 - ◇ Three levels password
- Sequencers
 - ◇ Calibrations
 - ◇ Blowbacks
 - ◇ Stream switching
 - ◇ Control
- Front panel LCD/control
- Pluggable connections
- Real time clock
- Battery backup
- 120/240 vac or DC operation
- Rear panel voltages
- Alarming
 - ◇ High/low warnings
 - ◇ High/low alarming
 - ◇ Assign labels to alarms
- Up/down load system configuration
- Comma delimited ASCII data transfers
- Solid state RamPack for long term data storage
- Modbus I/O
 - ◇ Output #/hr, #/mBTU, corrected data to external device, or DCS
 - ◇ Output corrected data values