



OPTO-2000 SYSTEM - SERIAL COMMUNICATION

The High Country Tek **Opto-2000 System** allows HCT microprocessor-based controllers to communicate with a PC through an optically-coupled serial port. This eliminates the possibility of damage to the PC or the unit with the connection impervious to dirt and corrosion. The Opto-2000 may be used with various HCT LabView® software programs to communicate with different HCT controllers.

Standard System:

Part Number: 999-10064

- ◆ The Opto-2000 System includes the following:
- ◆ Opto-2000 Unit
- ◆ 9 pin RS232 Serial Cable
- ◆ 9 Volt Alkaline Battery
- ◆ 110VAC to 9VDC Converter

Custom User Settings:

The Opto-2000 System allows the user to customize parameters including the following:

- ◆ Minimum/maximum valve current values
- ◆ PID settings
- ◆ Ramp times
- ◆ Dither frequencies
- ◆ Amplitudes
- ◆ Re-program Flash Memory



Note: These parameters are saved to the EEPROM portion of the microcontroller and can also be saved to a file on the PC. The file can then be sent to High Country Tek and we will preset any future controllers to your custom settings. All controllers can restore their parameters from previously saved files with the simple press of a button in the LabView software screen. Setup software is ordered separately.

Powerful Tuning and Troubleshooting Tool:

LabView user interface software is available as an option to add tuning and troubleshooting capabilities to the system including the following:

- ◆ Change setup parameters for the controller, as well as display of system inputs and outputs.
- ◆ Setup and display features dramatically enhance device commissioning and troubleshooting.
- ◆ Data log files can be saved to the PC for later analysis.

Note: PC/Laptop that has Windows 95 or higher, a minimum of 8 MB of RAM, (16 MB or more is recommended) and an RS-232 serial port is required.

Portable:

The Opto-2000 will operate for hours on a 9V battery included with the unit. This allows tuning by a laptop while the machine is online. The battery is discharged only while the PC is communicating with the unit. A 110 VAC to 9 VDC Converter is included with the unit for operation when in stationary use, eliminating the need for the battery.

OPTO 2000 ACCESSORY LIST

The following items are shipped standard with all OptoLink orders. Replacements may be purchased from your local electronics store or can be ordered from High Country Tek.

1. P/N 801-00004, 120VAC to 9 VDC adapter
2. P/N 108-00018, 9 Pin RS232 Cable (12 foot)
3. P/N 907-00004, 9 VDC Alkaline Battery