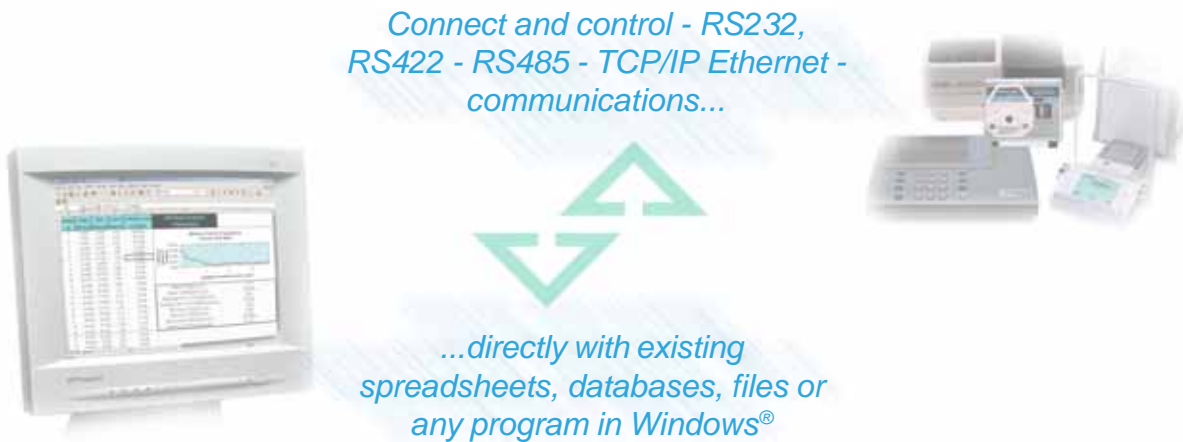




Data Acquisition and Wedge Interface Software

For RS232-Serial and TCP/IP Ethernet Device Data Connection Automations



*Collect SL is a program designed to make connections easy between instruments and devices with Serial RS232 or TCP/IP Ethernet ports and interface only the required result data to any software application in Windows®. The software is a scaled down version of the full **Collect** program with some of the more advanced interface capabilities disabled. Simply by applying a new activation key to a Collect SL installation, all of the advanced automation features of full Collect version are enabled instantly without losing any data or setup parameters stored by Collect SL.*

Connect to any Windows® Program

Collect SL connects the RS232 or TCP/IP output of instruments to any Windows® program by emulating the keyboard (wedge) and sending the extracted (parsed) data to the cursor location of a defined destination file or application then executing automatic keystrokes to move the cursor to a new row, line or field to be ready for the next reading.

What separates Collect SL from your existing instrument software or other wedgeware programs?

- Provides a common platform to wedge data into any program running in Windows®
- Manages and stores many different Method and Instrument setup configurations
- Works with Windows® COM1 through COM255 ports or any available TCP/IP Port server
- Intelligent multi-line parser, extracts the required data from the instrument or device
- Add Date, Time, and Counter Stamps
- Instrument Library supports over 500 pre-defined interfaces included
- Installs 20 different Methods for numerous Weighing procedures, pH, ISE, DO, Spectrophotometer, Vital Sign Monitors, Density, and includes Excel® templates for each one.
- Interface Preprocessor Splits duplicated lines for easy parser setup
- Includes an RS232-to-TCP/IP Software Service to connect remote instruments over a network

Upgrade directly to the full version Collect without installing any new software.

Pre-configured Method Library Installed

Over 20 Pre-configured ready to use Methods installed out-of-the-box to automate:

- Weighing applications
- Electrochemistry
- Photometry
- Label and Barcode creation
- Pipette Calibration
- Vital Sign Monitor Interface
- Multi-Instrument Interfaces

...plus many more

Methods are setup to use Labtronics created Excel® Templates with macros to:

- i. Graph real-time data and re-scales the X and Y axes by number of data points and their range
- ii. Include statistical calculations and limit checking for various analyses and tests.
- iii. Zoom or modify the windows width and height
- iv. 'Save As Now' function to automatically save the workbook with the a Method name, Date and Time as the file name to any location on the computer or network.

New Methods are also easily created from scratch and added to the Method list displayed in Collect SL's main screen or modify the included methods to meet any other additional business requirement.

Connect any Instrument or Device

Eliminate manual data entry and costly errors through interfacing.

 scanners  weighing  chemistry  samplers  photometry  measuring  force  sales  location  health	<h3>Analytical Lab Equipment</h3> <p>Photometry</p> <ul style="list-style-type: none"> • Atomic Absorption • Spectrophotometers • Colorimeters • Plate Readers • PCRs • Refractometers <p>Electrochemistry</p> <ul style="list-style-type: none"> • pH meters • Dissolved O2 meters • Ion meters • Conductivity meters • Titrators • Karl Fisher <p>Weighing/Force</p> <ul style="list-style-type: none"> • Balances/Scales • Moisture Analyzers • Fat Analyzers • Force Gauges • Tensile Testers • Hardness Testers 	<h3>Communications</h3> <ul style="list-style-type: none"> • Phones • PBX Systems • GPS • Sonar • Security Systems <h3>Identification</h3> <ul style="list-style-type: none"> • Barcode Scanners • Magnetic Stripe recorder • RFID Readers • Biometric ID Scanners <h3>Clinical/Medical</h3> <ul style="list-style-type: none"> • Analyzers • Vital Signs Monitors • Point of Care (POC) <h3>Retail</h3> <ul style="list-style-type: none"> • Cash Machines • Scanners • Point of Sale (POS) <h3>Plus...</h3> <ul style="list-style-type: none"> • Fridges/Freezers • Thermometers • Barometers • Hygrometers • Pressure gauges • Density meters • Viscosity meters • Turbidity meters • Shakers • Stirrers • Timers • Sensors • Counters • Robotic Samplers • Truck Scales • Data Loggers
<h3>Production - Industrial Equipment</h3> <ul style="list-style-type: none"> • Scales • Check weighers • Counters • Calipers • Micrometers • PLCs • Microcontrollers • Flow meters 		
<p><i>Any Instrument or Device Capable of RS232, RS485 Serial or TCP/IP Ethernet Communications...</i></p>		

How will Collect SL help your business?

Collect SL eliminates manual data entry and costly errors through interfacing and automatic data transfer. It also provides for an easy upgrade path to the full version of **Collect** with advanced automation capabilities so users can further improve their applications and operator productivity by meeting any specific or unique business needs.

- Eliminate Manual Data Entry
- Eliminate Errors
- Increase Productivity
- Improve Operator Efficiency

How Does Collect SL Work?

Collect SL connects directly with instruments and devices via RS232 or TCP/IP using its embedded instrument manager which extracts (parses) the required data received through its intelligent parser. It then reports parsed results of an instrument or device to an open Windows® program by emulating the keyboard.

When starting Collect SL, the interface Method's list is displayed in main window. Selecting one of the Methods and launching it opens the pre-defined destination application automatically opens and gives it a new floating menu used to control and interact with instrument or device connections. In addition, as data is received from the instruments, it is processed in the background and then formatted results are added automatically to the destination.

Collect SL has been designed to handle multiple instrument and device connections at the same time. Each connection has its own control menu so that each can be controlled independently. Data from each instrument or device can then be processed separately.

Multiple Methods are also supported, meaning that several independent methods can be started, each with its own set of connections.

For simultaneous, multi-instrument interfaces, the full version of Collect is the best solution, offering more advanced integration capabilities.

Collect SL includes many other advanced features:

- Powerful, easy to setup, Intelligent Parser processes incoming data streams. Simple to setup Number, Position and Delimiter type parsers supported. No programming required and only need to be setup once.
- Asynchronous high-speed collector processes over 30 data points per second.
- Collect data without sending commands – easy to switch between bi-directional and unidirectional modes
- Remote RS232-To-TCP/IP Utility Software Included – Connect with remote computer COM ports to interface over the network from another computer that has Collect installed.
- Supports XON/XOFF, RTS/CTS or No Flow/ Hardware Control and ASTM 1381 protocol.

With years of experience and understanding customer needs, the Collect series software was developed to include many out-of-the-box features to simplify the automation of existing applications and gives its users the flexibility to meet their specific business needs for RS232 Serial or TCP/IP interfacing all in one easy to use program.

Pre-Configured Instrument Library

The Labtronics Instrument Library is an integral component of Collect and contains over 500 pre-configured instrument and device interfaces that include the default communication settings for the instruments as well as their bi-directional command sets.

User-Defined Library

Collect SL is compatible with any instrument or device that produces data through an RS232 or TCP/IP Port.

Instruments and devices that are not already part of the installed Library can be defined by the user and saved within the Collect software's User-Defined Library database. Collect users also have the option to send their device interface setups to Labtronics to add to the on-line User-Base Library to share with the Collect community.

Labtronics will gladly help with this process as part of our standard technical support service.

Using the Instrument Library, anyone can quickly set up connections.

Easy Method and Interface Setup

Collect SL's Method Setup Wizard allows users to easily add, edit and test new Methods and Instrument/Device Connections in 3 simple steps:

1. Define the data destination - wedge to any Windows® program.
2. Add your instrument/device connection to the method - pick from the library of pre-configured interfaces or create your own.
3. Define the cursor movement macros for the collected result data.

Remote RS232-to-TCP/IP Converter Software Utility Included

The Collect SL Software installation comes complete with a separately installable RS232-to-TCP/IP Converter program, which converts remote RS232 serial devices through a PC or Laptop and creates a TCP/IP network port for them.

Collect SL's embedded RS232-to-TCP/IP Collector enables the system to communicate bi-directionally with the TCP/IP port of the remote computer terminal as if it were its own RS232 COM port.

Only have a USB port on your PC?

Computers, Laptops or even Tablet PCs that only have USB ports can interface through inexpensive RS232-to-USB converter cables that create standard Windows® COM port and 9-pin connector to hook up to the instrument/device cable.

Converting Other Outputs

RS485, RS422 and even Analog voltage outputs are also easily converted to RS232 by many common converters available and interfaced with the Collect software.

Technical Support & Software Updates

Labtronics will provide technical support directly to the end users. Technical support, which includes unlimited telephone assistance and software updates are offered free of charge for one year with the purchase of every Labtronics product. For subsequent years, customers may also subscribe to the Annual Support & Upgrade Plan.

Professional Services

The Collect SL software is designed with end-user setup and ease of use in mind; however, Labtronics understands that not everyone has the time to set up and learn any new software.

Contact us about our services available to help bring your system on-line quickly to your specifications through our expertise.



Unconditional Money Back Guarantee

Our software products are provided with an unconditional 30-day money back guarantee. If within 30 days you are not completely satisfied with the software, you may return it to us for a full refund.

Collect SL Specifications

Out-of-the-Box Key Features

- Automatically Report data directly to where it needs to be in real-time
- Timed interval data collection
- Add Date/Time and User data to readings
- Advanced data processing capabilities – Split duplicated lines for easy parser setup – Intelligent multi-line parser
- Includes a remote RS232-to-TCP/IP Service software program
- All setup settings are saved so they only need to be defined once.

Benefits

- Interface with Existing Programs Eliminates Learning Curve.
- Eliminates Manual Data Entry
- Eliminates Data Entry Errors
- Increases Productivity
- Improves Automation Capabilities
- Improves Operator Efficiency

System Requirements

- Windows® 2000, Windows® XP Professional or Windows® Vista Ultimate
- 64 MB RAM
- Pentium 300 MHz or higher processor
- 15 MB hard drive space for installation
- Windows® COM ports 1-255 or Available TCP/IP Ethernet Ports

Delivering Results...
Automatically
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