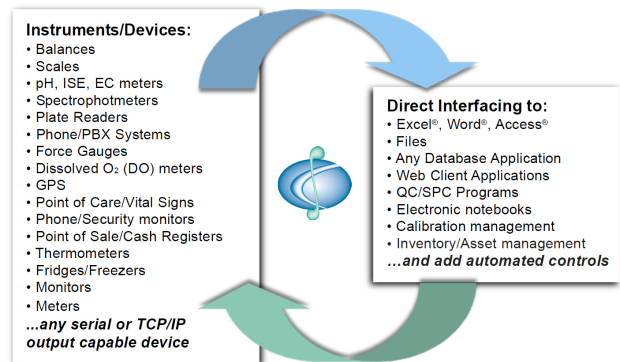


RS232 Instrument Data Transfer

Collect connects directly with instruments and devices, extracts (parses) the data that you need and sends that data directly to your applications. Data collection occurs in the background, independent of other computer activities, so you can work in other applications without interfering with data collection.

Tight integration with Excel® allows you to work in other Excel® workbooks, or even in other applications, while still collecting data to the target Excel® worksheet. When using the 'Wedge' interface option, Collect includes a number of different 'auto-focus to destination' options to ensure it locks on to the target Window even if another Window is being used.

Collect includes a library of interfaces that simplify setup and connection, with over 500 different instrument and device models. Over 15 ready to use Methods are available that include calculations and reports for weighing applications, photometry, electrochemistry, environmental monitoring, point of care instrument interfaces and more. New Methods and Instrument interfaces can be easily created or downloaded from the Collect User Base Library (<http://www.labtronics.com/DI/collect-user.htm>).



More than Just Simple Wedge Data Collection

Collect includes many out-of-the-box features:

- Connect any RS232 serial instrument or TCP/IP device directly to Excel®, Access®, database application forms, files, ELN forms or data management systems
- Library of ready-to-use methods and over 500 pre-configured instrument interfaces
- Automate run-time procedures – Autostart Methods, Interfaces and commands
- Timed interval data collection can process, parse and report up to 10 readings per second
- Add Date, Time, Milliseconds, Counters and User ID meta-data to readings
- Use keyboard hotkeys to trigger instrument interface commands
- Easy to use parser extracts data from instruments using intelligent number, position or delimiter setting options
- Automatically handle erroneous or unwanted data packets with Filter and Discard data options

CONNECT ANY INSTRUMENT OR DEVICE CAPABLE OF RS232, RS485 SERIAL OR TCP/IP ETHERNET COMMUNICATIONS...

ANALYTICAL LAB EQUIPMENT

Photometry

- Atomic Absorption
- Spectrophotometers
- Colorimeters
- Plate Readers
- PCRs
- Refractometers

Electrochemistry

- pH meters
- Dissolved O2 meters
- Ion meters
- Conductivity meters
- Titrators
- Karl Fisher

Weighing/Force

- Balances/Scales
- Moisture Analyzers
- Fat Analyzers
- Force Gauges
- Tensile Testers
- Hardness Testers

PRODUCTION

Industrial Equipment

- Scales
- Check weighers
- Counters
- Calipers
- Micrometers
- PLCs
- Microcontrollers
- Flow meters

COMMUNICATIONS

- Phones

- PBX Systems
- GPS
- Sonar
- Security Systems

IDENTIFICATION

- Barcode Scanners
- Magnetic Stripe recorder
- RFID Readers
- Biometric ID Scanners

CLINICAL/MEDICAL

- Analyzers
- Vital Signs Monitors
- Point of Care (POC)

RETAIL

- Cash Machines
- Scanners
- Point of Sale (POS)

PLUS..

- Fridges/Freezers
- Thermometers
- Barometers
- Hygrometers
- Pressure gauges
- Density meters
- Viscosity meters
- Turbidity meters
- Shakers
- Stirrers
- Timers
- Sensors
- Counters
- Robotic Samplers
- Truck Scales
- Data Loggers

Connect any Instrument or Device

The Collect Instrument Library 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. Customers may either choose from the list of pre-configured methods or instruments, or easily setup new interfaces.

Communications with Instruments/Devices

Collect is compatible with virtually any instrument or device that produces data through an RS232 or TCP/IP Port. Data collection from RS422, RS485, and Analog devices can also be supported in most situations through the use of a simple connection converter.

- RS232 and TCP/IP communications
- Windows® COM ports 1 to 256
- 300 - 115200 Baud rates (BPS)
- Odd, Even or No Parity
- 1 or 2 Stop bits
- 7 or 8 Data bits
- Hardware (RTS/CTS), Software (XON/XOFF) or No flow control
- Modbus or ASTM 1381 protocols
- Computers, Laptops or even Tablet PCs that only have USB ports can interface through inexpensive RS232-to-USB converter cables to connect the instrument/device serial cable.

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

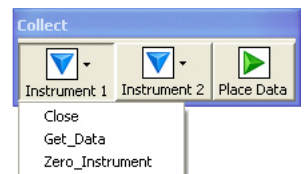
The Collect Software installation includes a separate RS232-to-TCP/IP Converter program, which converts remote RS232 serial devices through a PC or Laptop and creates a TCP/IP network port.

Collect'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.

By using the Remote Serial-to-TCP/IP utility program, instruments with an RS232 interface port can be connected and controlled by another computer that has the Collect software installed and is located elsewhere on a network.

Multiple Methods and Connections

Collect has been designed to handle multiple instrument and device connections at the same time. Each connection can be controlled independently. Data from each instrument or device can be processed separately and reported to different destinations. Multiple Methods are also supported, meaning that several independent Methods can be started, each with its own set of connections.



- Connect multiple instrument interfaces simultaneously
- Further enhance run-time automation capabilities by embedding VBA macros
- Includes a free RS232-to-TCP/IP software program to connect remote instruments over the network
- All setup settings are saved so they only need to be defined once
- English, French, German, Spanish, Italian and Japanese editions

Pre-configured Method Library

Pre-configured ready to use Methods with Excel® templates can be installed out-of-the-box to automate:

- Weighing applications
- Electrochemistry
- Photometry
- Pipette Calibration
- Vital Sign Monitor Interface
- Multi-Instrument Interfaces
- Force gauge interfaces
- ...and many more

All Methods can be modified to meet additional analytical or business requirements - add more interfaces, different calculations, user prompts, sound alarms and much more.

New Methods are easily created and added to the Method List displayed in Collect's main screen, which provides direct access to pre-configured interfaces.

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 us to add to the on-line User Base Library to share with others in the Collect community.

Advanced Control

Run-time automation can be significantly enhanced through the use of simple VBA macros created with Collect's Instrument Manager Macro script editor and SAX Basic Script Editor.

For example, Methods and Interfaces can be set up to add User Prompt Windows® to make automated decisions based on results received, such as stopping one interface and starting another or automatically printing a report to an Adobe PDF file or hard copy Printer. The possibilities are endless, and all the RS232 or TCP/IP interfacing and result reporting can be handled through one common application.

Technical Support and Software Updates

We provide technical support directly to the end user. Technical support includes telephone, e-mail and internet assistance free of charge for one year with the purchase of Collect. For subsequent years, customers may also subscribe to Collect's Annual Support and Maintenance Plan.

Professional Services

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

Contact us about using our expert services to speed up implementation of interfaces that fully meet your specifications and requirements.

System Requirements (recommended minimums)

- Windows® XP, Vista or 7 (32-bit or 64-bit)
- 256 MB RAM with XP, 512 MB RAM with Vista or 7
- Pentium 300 MHz or higher processor
- 100 MB hard drive space for installation
- Windows® COM ports 1-256 or available TCP/IP Ethernet Ports
- Microsoft Excel® 2003 or higher (for direct to Excel® integration)

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