

Collect-VirtuCOM™ System



**Wireless Serial Interface to any
Windows® Application**

LABTRONICS INC.

The Instrument Interfacing Experts

Introduction

The Collect-VirtuCOM system creates a secure, wireless network of your serial devices and reports data directly to the applications awaiting results. The new era of interfacing can reduce the number computers required, their support and save you thousands of dollars quickly by eliminating errors and increasing efficiency.

Utilizing the latest technologies, the Collect-VirtuCOM System is a complete off-the-shelf, software and hardware package that interfaces and controls serial devices with any Windows® program -- a wireless, integrated solution.

The Collect-VirtuCOM System delivers a cost-effective solution to eliminate manual recording of data and data entry errors, no matter where that data needs to be sent.

At run-time, simply select the instrument from the Collect software, point to a Windows® program and begin automatic data transfer.



Any serial device

- Balances/scales
- pH/EC/ISE meters
- UV/Vis, NIR spectrophotometers
- Stress/force gauges
- Bar code readers
- Density/viscosity meters
- Calipers,
- Fridges/Freezers
- Thermometers
- Barometers
- Hygrometers



To any software program running

- on a Windows® platform such as;
- Calibration databases
- Chemical inventory
- Inventory systems
- Quality assurance/SPC software
- Laboratory Information Systems (LIMS/LIS)
- ERP systems
- PI systems
- Excel®, Access®, Oracle®, SQL Server®
- Many more...

How does it work?

1. The instrument/serial device is connected to a serial converter.
2. The Serial Port converter is connected to the wireless hub.
3. The wireless hub communicates with the Collect software installed on the laptop or desktop, through the PC/laptop wireless adapter.

1 year warranty Included.

Options available to interface with Pocket/Tablet PCs.

Software alone will also function hard-wired directly into a PC or network without a wireless connection.

[Contact Us](#) for details.

What can the Collect-VirtuCOM system do for me?

The Collect-VirtuCOM system is a cost-effective, simple solution designed to capture and parse data from serial devices, add date/time/user stamps, if needed, directly into any other program through a wireless/secure interface.

The system captures instrument data, parses out the required information and sends it transparently to your application or directly to a file. Any program that allows you to manually enter data can receive data directly from Collect. Your application accepts the data as if it were manually entered from the keyboard.

Designed for those who simply want to walk up to their instrument and begin collecting data or monitor remote device readings. It is extremely easy to use and will save countless hours of tedious data entry.

Direct to any Program

Data from virtually any instrument that has a serial port can be collected directly into any program such as LIMS, calibration or inventory system databases, QA/SPC programs or Excel®.

Formatting Data

Collect uses a very simple technique for selecting only the required information from the instrument data and ignoring the rest. Complex multi-component strings generated by your instrument are easily processed by Collect. The software can also add a time stamp, cumulative time and date, in selected formats, automatically to your data.

The resulting data is transferred to your application in the order and format required.

Automate Your Application

Collect controls where and how data is added to your application by automatically locating the cursor in the correct position. Collect's keystroke macros can activate menus and run macros in your application, to automate the processing of your data.

Easy to Setup

Collect is extremely easy to set up. No knowledge of instrument interfacing is required. Collect's simple fill-in-the-blank screens guide you through the setup in a matter of minutes. Anyone can set up Collect for data collection.

Built-in Spreadsheet

If you don't have a spreadsheet program, Collect comes complete with its' own simple spreadsheet program, which can be used to capture, calculate, view and print results. The data can also be saved to a clipboard and added to other programs.

Bi-Direction Control Commands

Instrument commands can be used to control your serial instruments. They can request data at regular timed intervals, calibrate the instrument, start data transfer, etc. Collect can add a floating Command dialog box to your application, allowing you to control your instrument directly from your application.

User Prompts

User-defined prompts such as operator name, product description, batch number, etc., can be incorporated into your application. At run time, Collect prompts the user to enter this information, which then will be added automatically to your data. You can even define an acceptable set of responses for each prompt.

Eliminate Manual Data Entry

- ▶ Eliminate transcription errors
- ▶ Save time and money
- ▶ Increase instrument testing throughput
- ▶ Meet regulatory, ISO 9000 and GLP requirements

Key Features

1. Create a wireless - private network of your serial devices or connect them to your LAN.
2. Automatic Application Lock feature will start your Windows®-based program automatically.
3. New Filter features provide enhanced parsing capability.
4. Multiple applications can be open and receive data simultaneously from different instruments.
5. Collect data from multiple instruments into one application.

Software Specifications		
<p>Data Destinations</p> <ul style="list-style-type: none"> • Integrated Collect spreadsheet • Disk files on local and network drives • Collect real time display window • Any program running on Windows® <p>Program Start-up Capabilities</p> <ul style="list-style-type: none"> • Automatically start instruments when Collect is activated • Start selected instruments from instrument list • Automatically launch the destination application <p>Integrated Spreadsheet</p> <ul style="list-style-type: none"> • Edit instrument data • Enters sample IDs using the keyboard • Create reports • Display a unique spreadsheet for each device • Format data - decimals, fonts, font size, color, alignment 	<p>Bi-directional Instrument Control</p> <ul style="list-style-type: none"> • Send commands directly from your application • Choose commands from a user-defined list • Configure up to 20 commands per instrument • Send time cycled commands • Send commands automatically on receipt of instrument data <p>Data Processing Capabilities</p> <ul style="list-style-type: none"> • Parse and filter instrument data • Parse and filter ASCII data files • Cumulative time stamp • Current time stamp • Date stamping • User-defined prompts • Counter function - count incoming data points • Computer "BEEP" on receipt of instrument data • Number of instruments 	<p>Product Support</p> <ul style="list-style-type: none"> • Fully-documented User's Manual • On-line Help system • One full year of technical support and free software upgrades <p>Minimum System Requirements</p> <ul style="list-style-type: none"> • Windows® 95/98/NT 4.0/2000/XP • Pentium 166, 16 MB RAM <p>Communication Parameters Supported</p> <ul style="list-style-type: none"> • Baud Rates: 110, 300, 600, 1200, 2400, 4800, 9600, 14.4k, 19.2k, 38.4k, 56k • Parity: Even, Odd, Mark, None, Space • Data Bits: 5, 6, 7, 8 • Stop Bits: 1, 2
<p>Hardware Specifications available upon request.</p>		

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