

Voyager®

Remote Monitoring, Datalogging, Programming Software

Esco Isotherm® with Esco Voyager® Model Code: 5250001

Introduction

Esco Voyager® is a PC-based software package developed for the remote monitoring, datalogging, and programming / device configuration of Esco controlled environment laboratory equipment. Compatible equipment includes laboratory ovens and microbiology incubators. Voyager® interfaces with individual Esco equipment over RS485 using the EscoBUS communications protocol. Up to 16 devices of equipment may be interfaced to a single PC.

Compatible Equipment



Esco Isotherm® units that are compatible with Voyager® software

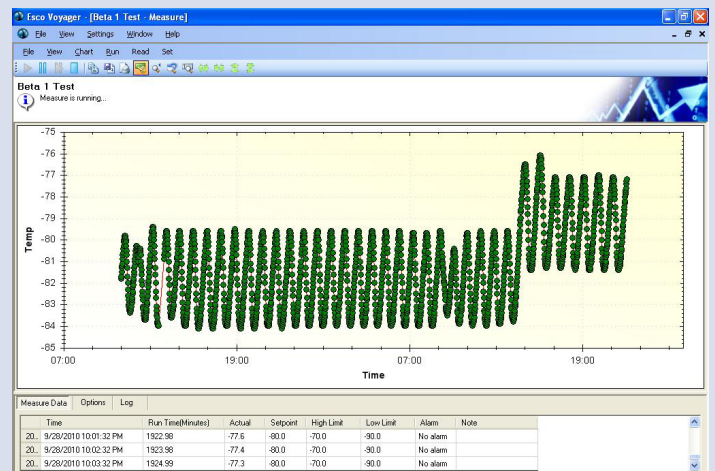
- Lexicon® – Ultra-Low Temperature Freezer (with U-Series Controller)
- CelCulture® – CO₂ Incubator (CCL)
- Isotherm® – Low Temperature Incubator (IFC)
- Isotherm® – Forced Convection Oven (OFA)
- Isotherm® – Forced Convection Incubator (IFA)



Esco Voyager® start page allows user to easily navigate to all the software's features.

Features

Remote Monitoring and Datalogging



Datalogging (measurement) configuration window allows the user to easily set up the measurement interval, temperature set point, low temperature alarm point and high temperature alarm point of a chamber or an equipment. This window also allows the user to choose the method of when and which data can be viewed (spreadsheet, e-mail, web page).

Remote Monitoring and Data Logging

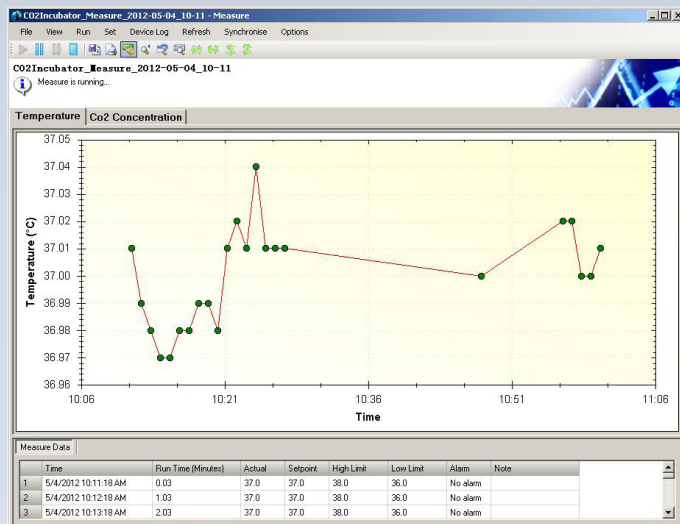
- Automatic, continuous monitoring of device parameters (Temp, CO₂, RH, etc.) to validate instrument performance and assay criteria.
- Allows a single researcher to view and graph multiple device parameters remotely in real-time.
- Saving and exporting log data in various formats from multiple instruments.
- Automatic emailing of log data at user-defined intervals.
- Download of data logs from equipment memory (only for devices with built-in data logging memory, i.e. CO₂ Incubators).

Alarm

- Voyager can activate an alarm if a user-defined parameter limit is exceeded.
- When an alarm condition occurs, Voyager can automatically send email alerts to help protect precious samples or experiments.
- Documentation of all alarms with time/date stamp

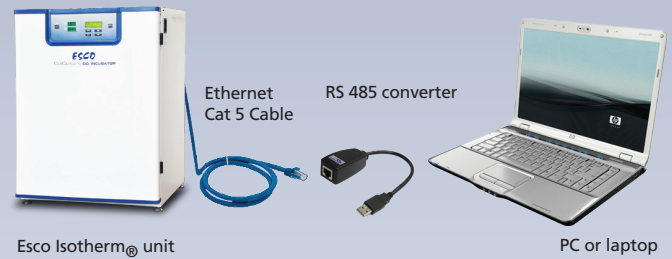
Remote programming and equipment configuration

- Voyager allows for easier program development with a simpler graphical user interface.
- Voyager software can download user programs to multiple Esco instruments easily insuring consistent setup on multiple devices.



Communications

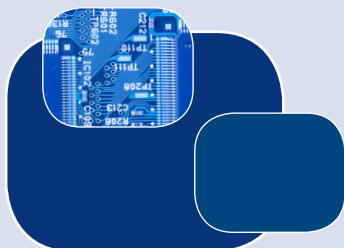
- Industrial strength, industry-standard RS485.
- EscoBUS communications protocol.
- RJ45 ports at rear of each piece of equipment.
- RJ45 to USB interface, plugs into PC USB port.
- RJ45 to RS232 interface, plugs into PC DB9/Serial Port.
- Each device on network must be assigned a unique EscoBUS address.
- Up to 4 devices of CO₂ Incubator may be daisy-chained to a single PC.
- Up to 16 combined devices may be daisy-chained to a single PC.
- The maximum distance between equipment is 100 m (328'), while the maximum distance between the PC to the last equipment is 1000 m (3280').



System Requirements

- Operation system : 32-bit and 64-bit Windows 2000, XP, 7, and Windows 2003 Server.
- Hard disk space : 1 GB
- Interface : USB/RS232
- Internet connection required for email alert feature

Biological Safety Cabinets and laminar Flow • Laboratory Fume Hoods • Laboratory Ovens
 Laboratory Incubators • PCR Thermal Cyclers • Microplate Shaker/Incubators • Ultraflow Freezers



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