



J & S Instruments, Inc.

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J & S Flow Communications Software

Requirements: Windows® 95
800 X 600 Pixels Display
9600 Baud Modem
3.5" 1.44 Mb FDD

This software is written expressly for use with a Hersey Model 1530 Mass Flow Computer. It requires the Model 1530 to be interfaced with a RS485 to RS232 Converter and the converter in turn to be interfaced with a modem. The intent of this configuration is for a host computer operating this software to be able to call out via its modem to one or more remote sites and download data from these locations for filing on the host computer. To accomplish this, the remote modems must be set to a fixed baud rate that matches the set up in the Model 1530. It is recommended that this be 9600 baud of which works with most telephone lines. The remote modems should be set to answer on the first ring. Each Model 1530 used in this setup needs to have a unique address for the software to recognize its location such as 01 through 10. This should be determined before the software is operated.

Any time the software is unable to establish a link with a remote site, it will repeat the call out effort every 5 minutes for 5 attempts. If the software is unable to establish a link with any remote site, it will automatically remove the checkmark located in front of the site identification. Typical problems with remote site communications are power interruptions, faulty modems, poor quality telephone lines, telephone lines busy and instruments not being powered up.

It is absolutely critical to remember that once this software is setup that it not be exited if the automatic daily downloading is to take place. After setup, the user is to go to the home page and minimize the software so that it continues to operate in the background of the host computer. Do not turn off the host computer at the end of the day unless it is turned on before the automatic data downloading is scheduled for initiation. If the software is not running when the scheduled download is to be operated, it will not collect data for that day. It will continue the automatic downloading as long as the software is on line.