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Software Installation Instructions
for the
Acton Research Corporation
150-749 Remote Scan Controller

The software for the Acton Research Corporation 150-749 Remote Scan is installed at the factory when the 150-749 is purchased. If, however, the software needs to be reinstalled for any reason, the enclosed disk contains all the files necessary for complete software installation. Included on the disk are the Acton Research Corporation files SP150LIB, INSTALL and WIPE. Also, included is a copy of the file transfer program KERMIT © from Columbia University. The Kermit program is included at no cost and may be copied or distributed as long as the following copyright notice is included:

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Installation Instructions:

Attach the 9 pin to 9 pin adapter to the serial port of the computer either com 1 or com 2. Attach the calculator cable with the flat 4 pin connector to the HP-48 calculator and attach the 9 pin connector to the adapter at the com port.

If a previous version of the SP-150 control program has been installed on the calculator, it is necessary to erase this program before loading the new version. This can be accomplished by clearing the memory in the HP-48 or by loading a special program to erase the SP-150 program. To clear memory in the HP-48 calculator, simultaneously press the **A** and **F** function keys and the **ON** key. Release all three at once. Press the **F** function key alone to clear memory.

Create a directory on the computer hard disk labeled SP150 and copy all files from the installation disk to this directory. Change directory to SP150 and type **KERMIT** <cr>.
In Kermit, type **SET BAUD 9600** <cr>.
In Kermit, type **SET PORT 1** <cr>.
   (or SET PORT 2 as appropriate)

If no previous version of the SP150 program exists on the HP-48, skip to the section labeled (A).

On the HP48, press LEFTSHIFT (purple on the HP48G), then 1 (for the I/O send/receive menu).

On the HP-48 press **F** (RECV)
(The HP-48 is now "Connecting", which is waiting for an "object" to be sent by Kermit in packets).

In Kermit, type **S Wipe** <cr>
(This will erase the previous version of the SP150 program).

(A)

On the HP48, press LEFTSHIFT (purple on the HP48G), then 1 (for the I/O send/receive menu).

On the HP-48 press **F** (RECV)
(The HP-48 is now "Connecting", which is waiting for an "object" to be sent by Kermit in packets).

In Kermit, type **S SP150LIB** <cr>.
(The code will be sent to the HP-48 in approximately 130 packets, and a beep will e heard when the transmission is complete).

On the HP-48, press **F** (RECV)
(The HP48 is now "Connecting")

In Kermit, type **S INSTALL** <cr>.
(The code will be sent to the HP-48
in 5 packets, and a beep will sound
at the end of transmission).

In Kermit, Type **Q** <cr>. This returns
To DOS.

On the HP-48, press **VAR.**
The menu at the bottom of the screen should
now show
INSTA   SP150   IOPAR
IOPAR has the baud rate, ect currently used
by the HP-48.

On the HP-48, press **A** (INSTALL)
(This stores the library SP150LIB into
PORT 0:. The HP-48 will automatically
turn itself off at this time).

On the HP-48, press ON.

On the HP-48, press RIGHTSHIFT (green
on the HP-48G), then 2. (The menu at the
bottom of the screen should now show
SP150 with a bar over the label indicating a
submenu).

On the HP-48, press **A** (SP150)
The HP-48 is now ready to connect to a
monochromator. The operating instructions
are included in the SP-150 manual.