



<u>36 PIN MOLEX</u>	<u>9 PIN 'D'</u>	<u>PIN OUTS</u>		<u>SCREW TERMINALS</u>
		<u>12 PIN AMP</u>		
13	1 ——— RED	8		
14	3 ——— BLK	7		
27	————— BLK	—————	6	
28	————— RED	—————		
		9 ——— RED		
		1 ——— BLK	4	
		2 ——— GRN	5	
		5 ——— WHT	7	

**INTERFACE CABLE FROM LSC-2
TO HP 5890/5970 MSD UNIX OR PASCAL
TEKMAR PART NO. 14-4629-086**

INSTALLATION INSTRUCTIONS

14-4629-074

HEWLETT-PACKARD 5890 w/ 5970 MSD
or 5988 MS Unix or Pascal Based Chemstations
to LSC-2/4000

INTERFACE CABLE #14-4629-086

This interface is designed to allow the LSC-2/4000 to operate automatically with an HP 5890 GC with either a 5970 MSD or a 5988 MS Unix or Pascal based Chemstations. It enables the GC/MS System Ready signal to give the LSC-2/4000 permission to advance from DESORB READY to DESORB PREHEAT. It also enables the LSC-2/4000 to start the GC temperature program and data system upon sample injection.

ATTENTION

In order for this cable to function properly with either a Pascal or Unix based Chemstation, the customer must acquire HP's Internal Accessory cable (HP P/N 05987--60158). The Pascal based Chemstation also requires the A111 Internal Accessory card (HP P/N 05990-60111). These items may need to be installed by an authorized HP service representative.

Connection to the LSC-2

One end of the cable terminates in four spade lug connectors. Connect these to the I/O terminal strip on the rear panel of the LSC-2/4000 to positions 4,5,6, and 7 accordingly.

Connection to the GC

- 1) Remove the right top instrument cover.
- 2) Locate the receptacle labeled "Remote." On the Unix based Chemstations a cable will already be connected into this receptacle, the other end of this cable will go to the rear panel of the 5970 MSD. It will need to be removed.
- 3) Connect the 12 pin amp plug into the receptacle labeled "Remote" (refer to GC manual, Section 3).
- 4) Coil the cable partially around the strain relief posts and then route it out the rear of the GC.
- 5) Replace the cover.

Connections to MSD with Unix Chemstation

One end of the cable terminates in a 9 pin D-type connector. Connect this to the 9 pin receptacle on the rear of the MS. Another end of the cable terminates in a 36 pin Molex plug. Connect this onto the rear of the 5970 MSD where it is labeled "Accessory Control."

Connections to MSD/MS With Pascal Chemstation

One end of the cable terminates in a 36 pin Molex connector. Connect this onto the rear of the MSD/MS where it is labeled "Accessory Control." The end of the cable that terminates in a 9 pin D-type connector is not utilized when connecting to a Pascal based Chemstation, therefore it can be left unconnected.

Special Programming and Software Considerations

- **When utilizing this cable on Pascal based Chemstations, it is necessary to configure the data system as follows:**
Under "Acquisition" select "Edit ALS" and specify "Hand Held Syringe." If the system has an autosampler connected, it is necessary to have the sequencing option on the software.
- **When utilizing this cable on Unix based Chemstations, it is necessary to configure the data system as follows:**
Under "Instrument," specify "Manual" for Injector Control.