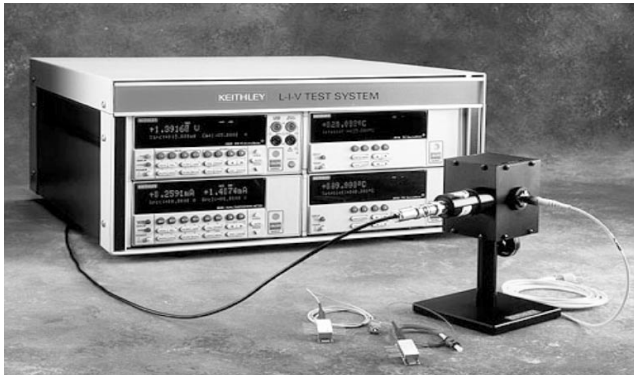


Fax to: (440) 498-2980



Keithley's L-I-V (light-current-voltage) Test System is designed to determine the characteristics of Laser Diode Modules. The L-I-V Test System combines the measurement capabilities required to test these modules with tight temperature control over the device under test in an integrated instrument package. The L-I-V Test System is configured from proven Keithley instrumentation; the basic configuration can be easily modified to add new measurement functions or to allow for new connections.

This configuration and ordering guide is intended as an aid in the customization of the L-I-V Test System. This guide will walk you through all aspects of the test system, ensuring critical components and required accessories are identified. To use this guide, simply step through each section in the equipment list. The configuration guide will assist you in the selection of laser drivers, temperature controllers, optical and electrical measurement equipment, and accessories necessary for your specific application. The diagram at the end of the guide is intended as a reference for typical configurations. Once the configuration guide is completed, it can be used to place an order for the system with your sales contact.

<input type="checkbox"/> Budgetary Quote <input type="checkbox"/> Quote <input type="checkbox"/> Purchase Order No.:									
COMPANY NAME:									
Bill to Address:	USER NAME:								
City, State/Province:	Address:								
Zip/Postal Code:	City, State/Province:								
Country:	Zip/Postal Code:								
Buyer Name:	Country:								
Phone: Fax:	Phone: Fax:								
E-Mail:	E-Mail:								
SHIP TO:									
Address:	Truck Carrier Preference:								
City, State, Zip:	Office Use Only								
Country:	Sales Representative:								
Phone: Fax:	MO: <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>Rev 1</td> <td>Rev 2</td> <td>Rev 3</td> <td>Rev 4</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table>	Rev 1	Rev 2	Rev 3	Rev 4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rev 1	Rev 2	Rev 3	Rev 4						
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
E-Mail:	Sales Order No.:								

EQUIPMENT LIST

A: Laser Driver Selection

A - 1: Choose the type and quantity of Laser Drivers to control the laser

Qty.	Model	Catalog Description	Usage Description	Extended Price
_____	*2420	3A SourceMeter®	High Accuracy Laser Driver	_____
_____	2440	5A SourceMeter®	High Power Laser Driver	_____
_____	2400	Digital SourceMeter®	General Laser Driver	_____
_____	2420-C	3A SourceMeter®	Includes Contact Check Option	_____
_____	2440-C	5A SourceMeter®	Includes Contact Check Option	_____
_____	2400-C	Digital SourceMeter®	Includes Contact Check Option	_____

A - 2: Select a Communication Cable (Qty. should total number from A-1)

_____	7007-05	GPIB Cable - 0.5m	Interconnection Cable	_____
_____	7007-1	GPIB Cable - 1m	Connection to Host Computer	_____
_____	*7007-2	GPIB Cable - 2m	Connection to Host Computer	_____
_____	7007-4	GPIB Cable - 4m	Connection to Host Computer	_____

A - 3: Select a Cable or Adapter to connect the DUT (Optional)

_____	CA-18-1	Dual banana plug cable	1.2 meters (Qty. 2 typical)	_____
_____	BG-18	Banana to Coaxial Adapter	(Qty.. 2 typical)	_____
_____	7754-3	BNC to Alligator Cable	3 ft length	_____
_____	7051-5	BNC Coaxial Cable	5 ft length	_____
_____	7051-10	BNC Coaxial Cable	10 ft length	_____

TOTAL LASER DRIVER

B: Temperature Control Selection

B - 1: Choose a TEC controller for the internal TEC module in the DUT

_____	2510	TEC Controller	Precision Temperature Control	_____
_____	*2510-AT	TEC Controller w/Autotune	Includes Autotuning functionality for PID calculation	_____

B - 2: Choose a TEC controller for the external fixture TEC Module (Optional)

_____	*2510	TEC Controller	Precision Temperature Control	_____
_____	2510-AT	TEC Controller w/Autotune	Includes Autotuning functionality for PID calculation	_____

CONFIGURATION AND ORDERING GUIDE

B - 3: Select a Communication Cable (Qty. should total number from B-1 & B-2 Combined)

<input type="checkbox"/>	7007-05	GPIB Cable	0.5m Interconnection Cable between Equipment	_____
<input type="checkbox"/>	* 7007-1	GPIB Cable - 1m	Connection to Host Computer	_____
<input type="checkbox"/>	7007-2	GPIB Cable - 2m	Connection to Host Computer	_____
<input type="checkbox"/>	7007-4	GPIB Cable - 4m	Connection to Host Computer	_____

B - 4: Select a Cable to connect the DUT or Fixture (Optional)

<input type="checkbox"/>	2510-CAB	TEC Controller Cable	Cable attached to 2510 connector	_____
--------------------------	----------	----------------------	----------------------------------	-------

B - 5: Is the Temperature Controlled Device a Resistive Heater?

<input type="checkbox"/>	2510-RH	Resistive Heater Control Adapter.	Use with Resistive Heater	_____
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TOTAL TEMPERATURE CONTROL

C: Optical/Electrical Measurement Selection

C - 1: Choose the type and quantity of measurement instruments

<input type="checkbox"/>	* 2500	Dual Photo Diode Meter	Dual Channel to combine Optical and Electrical Measurements	_____
<input type="checkbox"/>	6517A	Electrometer	Single Channel for Electrical Measurements Only	_____

C - 2: Select a Communication Cable (Qty. should total number from C-1)

<input type="checkbox"/>	* 7007-05	GPIB Cable - 0.5m	Interconnection Cable between Equipment	_____
<input type="checkbox"/>	7007-1	GPIB Cable - 1m	Connection to Host Computer	_____
<input type="checkbox"/>	7007-2	GPIB Cable - 2m	Connection to Host Computer	_____
<input type="checkbox"/>	7007-4	GPIB Cable - 4m	Connection to Host Computer	_____

C - 3: Electrical Measurements - Select a Cable to connect the photodiodes (Optional)

<input type="checkbox"/>	7078-TRX-1		3-lug Triax cables - 1ft	_____
<input type="checkbox"/>	7078-TRX-3		3-lug Triax cables - 3ft	_____
<input type="checkbox"/>	7078-TRX-5		3-lug Triax cables - 5ft	_____
<input type="checkbox"/>	* 7078-TRX-10		3-lug Triax cables - 10ft	_____
<input type="checkbox"/>	7078-TRX-12		3-lug Triax cables - 12ft	_____
<input type="checkbox"/>	7078-TRX-20		3-lug Triax cables - 20ft	_____
<input type="checkbox"/>	237-ALG-2		2m Cable - 3-slot Triax to Alligator Clip	_____

CONFIGURATION AND ORDERING GUIDE

C - 4: Optical Measurements - Select an Integrating Sphere

<input type="checkbox"/>	2500INT-2-Si	2" Integrating Sphere, 2-0.5" Ports - Silicon Detector	_____
<input type="checkbox"/>	2500INT-2-Ge	2" Integrating Sphere, 2-0.5" Ports - Germanium Detector	_____
<input type="checkbox"/>	2500INT-2-IGAC	2" Integrating Sphere, 2-0.5" Ports - Cooled InGaAs Detector	_____

C - 5: Optical Measurements - Select a Cable to connect the Sphere to the 2500

<input type="checkbox"/>	7078-TRX-1	3-lug Triax cables - 1ft	_____
<input type="checkbox"/>	7078-TRX-3	3-lug Triax cables - 3ft	_____
<input type="checkbox"/>	* 7078-TRX-5	3-lug Triax cables - 5ft	_____
<input type="checkbox"/>	7078-TRX-10	3-lug Triax cables - 10ft	_____
<input type="checkbox"/>	7078-TRX-12	3-lug Triax cables - 12ft	_____
<input type="checkbox"/>	7078-TRX-20	3-lug Triax cables - 20ft	_____

C - 6: Optical Measurements - Select a Fiber Connector for the Sphere

<input type="checkbox"/>	2500INT-FC/PC	FC/PC Connector for 2500INT	_____
<input type="checkbox"/>	2500INT-SMA	SMA Connector for 2500INT	_____

C - 7: Optical Measurements - A Sphere requires the following adapter

<input type="checkbox"/>	* 6172	2-slot male to 3-lug female triax adapter	_____
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TOTAL MEASUREMENT SECTION

D: Accessories Selection

D - 1: Select an Interface Card for the host computer

<input type="checkbox"/>	KPCI-488	GPIB Interface Card - PCI	_____
<input type="checkbox"/>	KPCMCIA-GPIB	GPIB Interface Card - PCMCIA	_____

D - 2: Select the Equipment Rack Size if desired (Optional)

<input type="checkbox"/>	8000	Equipment Rack, 28in High, Holds Qty. 10 - 1/2 Rack Instruments	_____
<input type="checkbox"/>	8000-10	Equipment Rack, 10in High, Holds Qty. 4 - 1/2 Rack Instruments	_____
<input type="checkbox"/>	8000-14A	Equipment Rack, 14in High, Holds Qty. 6 - 1/2 Rack Instruments	_____
<input type="checkbox"/>	8000-17A	Equipment Rack, 17.5in High, Holds Qty. 8 - 1/2 Rack Instruments	_____

CONFIGURATION AND ORDERING GUIDE

D - 3: Select the rack mounting hardware if required (Optional)

_____	4288-1	Rack Mounting Kit - Single Unit Mount one instrument and one blank cover	_____
_____	4288-2	Rack Mounting Kit - Dual Unit Mount two instruments	_____

D - 4: Select the Trigger Link Equipment required (Refer to App Note 2217 for Trigger Link Details)

_____	* 8501-1	Trigger Link Cable - 1m	_____
_____	8501-2	Trigger Link Cable - 2m	_____

D - 5: Select the Demo Application Software

_____	* LIVCD-950-01A	L-I-V QuickStart CD. Includes sample application source code for typical L-I-V system to aid in application development. Includes Visual Basic, Labview, TestPoint, LabWindows/CVI	_____
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D - 6: Add any additional accessories from the catalog required

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

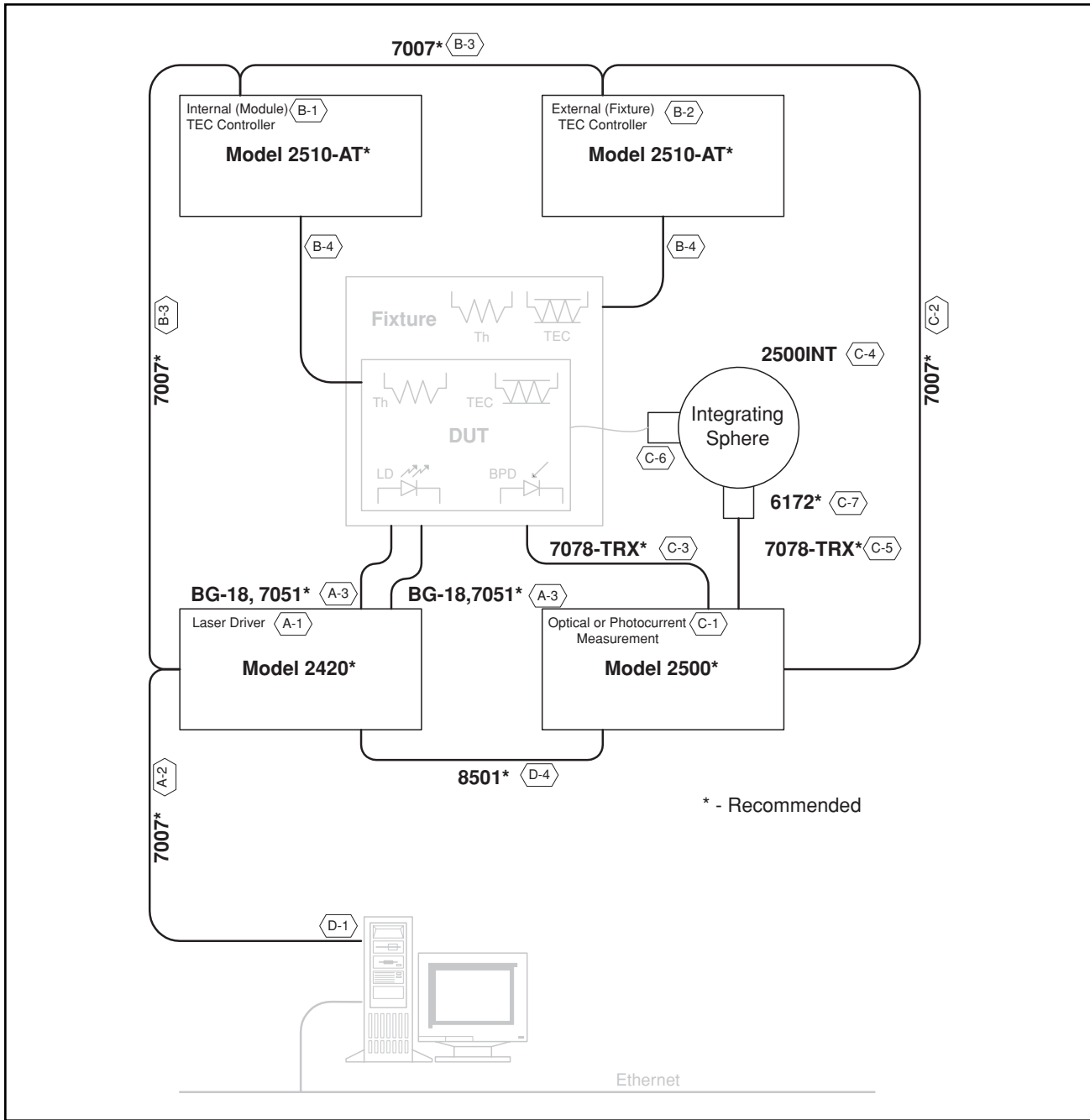
TOTAL ACCESSORIES _____

GRAND TOTAL OF SYSTEM COMPONENTS _____

NOTES

- * Recommended equipment for typical L-I-V System
- 1: Items listed are for components that are used as a system. Resulting order must have individual line for each item.
- 2: Integration services are not included, but can be quoted on a custom basis.

CONFIGURATION AND ORDERING GUIDE



System Block Diagram

Specifications are subject to change without notice.

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