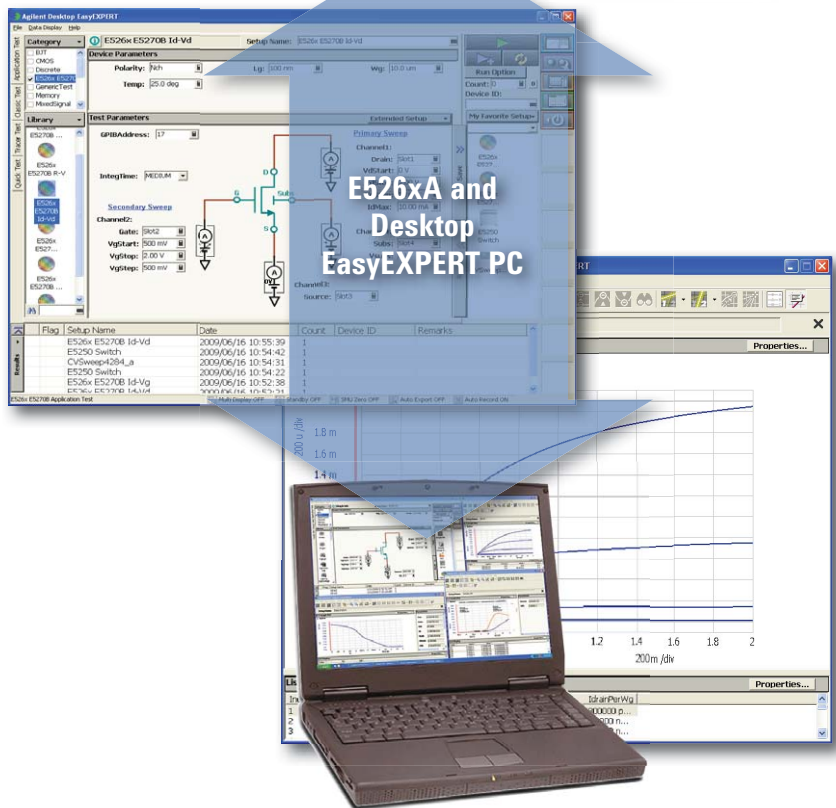


Desktop EasyEXPERT enables powerful device analysis with the E526xA/ E5270B

Enjoy the power of a device analyzer using the E526xA series or E5270B at no additional cost with Desktop EasyEXPERT 4.2

Introduction

Agilent's Desktop EasyEXPERT 4.2 software supports the E526xA series and the E5270B in addition to the 4155B/C, 4156B/C, B1500A and B1505A. The combination of Desktop EasyEXPERT with the E526xA series or E5270B, provides a powerful yet cost-effective parametric measurement solution for industry, R&D and academic use. Desktop EasyEXPERT and the associated application tests for the E526xA series and E5270B are downloadable from the Agilent web site at no charge.



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Features and benefits

- *Desktop EasyEXPERT makes measurement as easy as 1-2-3*

Using the sample application tests for the E526xA series and E5270B and Desktop EasyEXPERT running on your PC, you can make parametric measurements with just a few simple mouse clicks.

Provided with Desktop EasyEXPERT are six sample application tests to perform basic parametric measurements using the E526xA series and E5270B.

These tests include resistor R-I and R-V characterization and transistor Id-Vd and Id-Vg measurement. In addition, by using the powerful EasyEXPERT programming environment you can easily create your own application tests to meet your unique needs. These capabilities allow you to begin making productive measurements quickly, thereby decreasing your overall test development time.

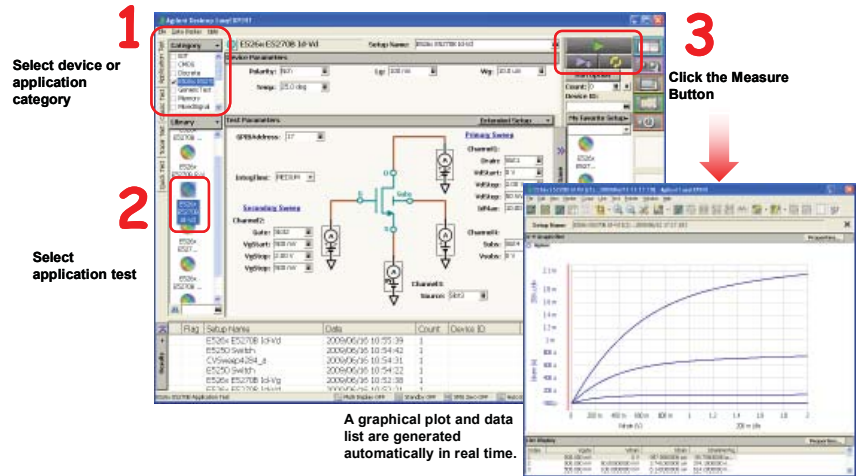


Figure 1. Desktop EasyEXPERT E526x/E5270B Id-Vd application test

- *Easy test sequencing*

A GUI-based Quick Test mode enables you to perform test sequencing without programming. You can select, copy and rearrange the execution order of the application tests with a few simple mouseclicks. Once you have selected and arranged your tests, simply click on the measurement button to begin running an automated test sequence.

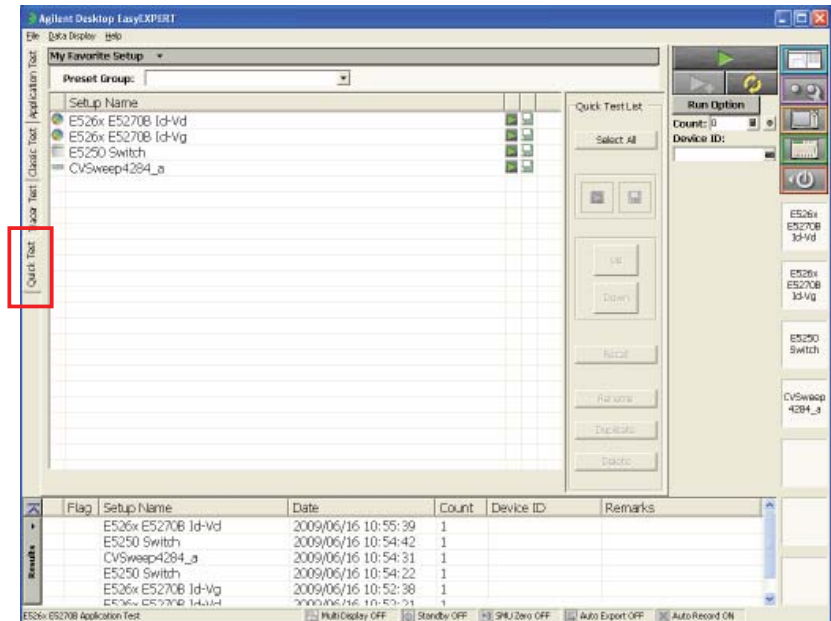


Figure 2. Quick Test

- **Automatic data export**

Desktop EasyEXPERT has the ability to automatically export measurement data in real time, and in a variety of formats, such as CSV, XML, etc. You can save data to any drive connected to the PC. If you wish, you can export data to a network location or send the results directly to a printer. This makes it easy to share data with others and to create reports.

- **CV sweep measurement and switching matrix control**

Agilent supplies downloadable sample application tests that allow you to control LCR meters and switching matrices using Desktop EasyEXPERT. The available application tests include ones to control the Agilent 4284A and E4980A LCR meters and ones to control the Agilent B2200A, B2201A, and E5250A switching matrices. These application tests provide flexible and expandable capabilities to adopt your test system for a wide range of applications.

- **Automated wafer characterization**

All popular semiautomatic wafer probers are supported by Desktop EasyEXPERT. You can easily define the wafer, die, and module information for probing across an entire wafer. You can also combine wafer prober control with either Quick Test mode or an application test based test sequence to perform multiple testing on various devices across the wafer.

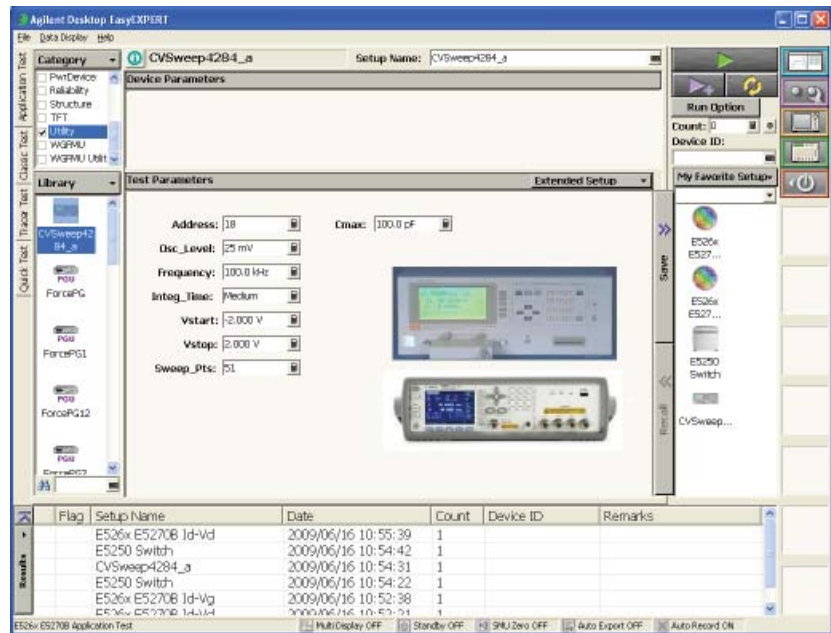


Figure 3. 4284A/E4980A CV Sweep

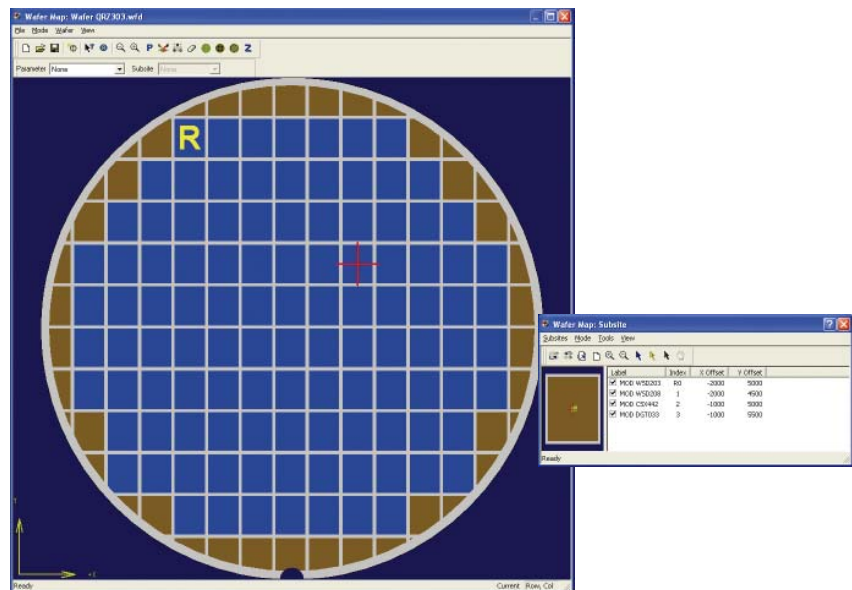


Figure 4. Prober Control

System Requirements

The following are the minimum system requirements for executing Desktop EasyEXPERT

Operating system and service pack	Microsoft Windows XP Professional SP3 or later	Microsoft Windows Vista Business SP2 or later	Microsoft Windows 7 Professional SP1 or later
Supported language	English (US)		
Processor	Intel Celeron 2 GHz	Vista certified PC	Windows 7 certified PC
Memory	512 MB DDR266	1 GB memory	2 GB memory
Display	XGA 1024 x 768 (SXGA 1280 x 1024 recommended)		
HDD	1GB free space on the C drive, 10GB (30GB recommended) free space on a drive for test setup / result data storage.		
.NET Framework	Microsoft .NET Framework 2.0 SP2		
IO Libraries (for online mode)	Agilent IO Libraries Suite 16.1 or later		

Supported GPIB Interfaces

- Agilent 82350B, Agilent 82357A/B USB-to-GPIB interface

Supported measurement Instruments

- E5260A 8-Slot Parametric High Speed Measurement Mainframe
- E5262A 2-Channel (Medium Power, Medium Power) Source/Monitor Unit Mainframe
- E5263A 2-Channel (High Power, Medium Power) Source/Monitor Unit Mainframe
- E5270B 8-Slot Parametric Precision Measurement Mainframe

Available sample application test list

- E526xA/E5270B IV Sweep (General purpose)
- E526xA/E5270B R-I measurement
- E526xA/E5270B R-V measurement
- E526xA/E5270B R-I Kelvin measurement
- E526xA/E5270B Id-Vd measurement
- E526xA/E5270B Id-Vg measurement
- 4284A/E4980A CV Sweep measurement
- E5250A/B220xA Switching Matrix Control
- 81110A Force pulse generator
- 3458A Voltage measurement between two terminals

How to obtain

The latest version of Desktop EasyEXPERT software and sample application tests for the E526xA series and the E5270B can be downloaded for free at the following URL: www.agilent.com/find/easyexpert.

www.agilent.com
www.agilent.com/find/easyexpert

For more information on Agilent Technologies' products, applications or services, please contact your local Agilent office. The complete list is available at:

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Revised: March 24, 2009

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Printed in USA, September 12, 2011
5990-4373EN

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