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# Installation Guide for Plug-in Modules

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infiniium DCA  
Agilent 86100A



**Agilent Technologies**

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## Installation Instructions

This plug-in module is designed for use with the Infiniium DCA Agilent Technologies 86100A.

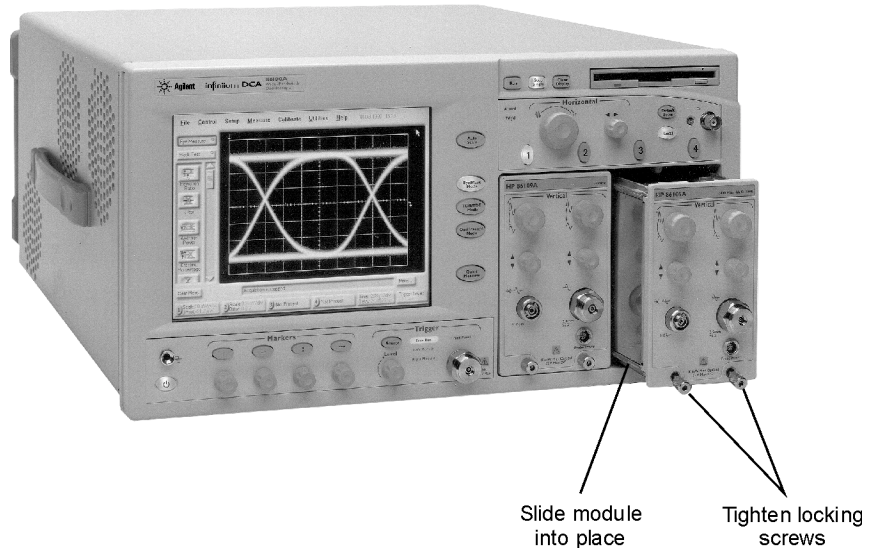
### ***To install the module into the Infiniium DCA***

- 1 Slide the module into an available front-panel slot.

You can remove or install a module while the instrument is operating.

- 2 Finger tighten the two knurled screws on the module's front panel.

Up to two modules can be inserted into the Infiniium DCA. All documentation (including specifications) for this plug-in module is located in the Infiniium DCA's built-in information system. To access the built-in information system, touch or click Contents on the Help menu.



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## General Safety Considerations

This product has been designed and tested in accordance with IEC Publication 1010, Safety Requirements for Electronic Measuring Apparatus, and has been supplied in a safe condition. The instruction documentation contains information and warnings which must be followed by the user to ensure safe operation and to maintain the product in a safe condition.

Install the plug-in module according to the enclosure protection provided. This instrument does not protect against the ingress of water. This instrument protects against finger access to hazardous parts within the enclosure.

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**WARNING**

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**If this product is not used as specified, the protection provided by the equipment could be impaired. This product must be used in a normal condition (in which all means for protection are intact) only.**

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**WARNING**

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**No operator serviceable parts inside. Refer servicing to qualified service personnel. To prevent electrical shock do not remove covers.**

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**WARNING**

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**To prevent electrical shock, disconnect the instrument from mains before cleaning. Use a dry cloth or one slightly dampened with water to clean the external case parts. Do not attempt to clean internally.**

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**CAUTION**

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This product is designed for use in Installation Category II and Pollution Degree 2 per IEC 1010 and 664 respectively.

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**CAUTION**

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Electrical channel input circuits and the trigger input circuit can be damaged by electrostatic discharge (ESD). Therefore, avoid applying static discharges to the front-panel input connectors. Prior to connecting any coaxial cable to the connectors, momentarily short the center and outer conductors of the cable together. Avoid touching the front-panel input connectors without first touching the frame of the instrument. Be sure that the instrument is properly earth-grounded to prevent buildup of static charge. Wear a wrist-strap or heel-strap.

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**CAUTION**


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Optical channel fiber-optic connectors are easily damaged when connected to dirty or damaged cables and accessories. When you use improper cleaning and handling techniques, you risk expensive instrument repairs, damaged cables, and compromised measurements. Before you connect any fiber-optic cable to the Infiniim DCA, Chapter 1 in the Infiniim DCA's Quick Start Guide.

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## DECLARATION OF CONFORMITY

According to ISO/IEC Guide 22 and CEN/CENELEC EN 45014

<b>Manufacturer's Name:</b>	Agilent Technologies, Inc.
<b>Manufacturer's Address:</b>	1400 Fountaingrove Parkway Santa Rosa, CA 95403-1799 USA
<b>Declares that the products:</b>	
<b>Product Name:</b>	Infiniium DCA Agilent 86100A-series plug-in modules
<b>Model Number:</b>	86101A, 86103A, 86105A, 86106A, 86109A, 86112A
<b>Product Options:</b>	This declaration covers all options of the above products.
<b>Is in conformity with:</b>	
<b>Safety:</b>	IEC 61010-1:1990 +A1:1992+A2:1995 / EN 61010-1:1994+A2:1995 CAN/CSA-C22.2 No. 1010.1-92
<b>EMC:</b>	CISPR 11:1990/EN 55011:1991 Group 1, Class A IEC 61000-4-2:1995+A1:1998 / EN 61000-4-2:1995, 4 kV CD, 8 kV AD IEC 61000-4-3:1995 / EN 61000-4-3:1995, 3 V/m, 80-1000 MHz IEC 61000-4-4:1995 / EN 61000-4-4:1995, 0.5 kV sig. lines, 1 kV pow. lines IEC 61000-4-5:1995 / EN 61000-4-5:1995, 0.5 kV I-I, 1 kV I-e IEC 61000-4-6:1996 / EN 61000-4-6:1996, 3V 80% AM, power line IEC 61000-4-11:1994 / EN 61000-4-11:1994, 100 %, 20 ms
<b>Supplementary Information:</b>	
	The products herewith comply with the requirements of the Low Voltage Directive 73/23/EEC and the EMC Directive 89/336/EEC and carry the CE-marking accordingly.
	
Santa Rosa, CA, USA 7 Feb. 2000	Greg Pfeiffer/Quality Engineering Manager
For further information, please contact your local Agilent Technologies sales office, agent or distributor.	



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**Safety Symbols.**

**CAUTION**

The *caution* sign denotes a hazard. It calls attention to a procedure which, if not correctly performed or adhered to, could result in damage to or destruction of the product. Do not proceed beyond a caution sign until the indicated conditions are fully understood and met.

**WARNING**

The *warning* sign denotes a hazard. It calls attention to a procedure which, if not correctly performed or adhered to, could result in injury or loss of life. Do not proceed beyond a warning sign until the indicated conditions are fully understood and met.



The instruction manual symbol. The product is marked with this warning symbol when it is necessary for the user to refer to the instructions in the manual.



The laser radiation symbol. This warning symbol is marked on products which have a laser output.



The AC symbol is used to indicate the required nature of the line module input power.



The ON symbols are used to mark the positions of the instrument power line switch.



The OFF symbols are used to mark the positions of the instrument power line switch.



The CE mark is a registered trademark of the European Community.



The CSA mark is a registered trademark of the Canadian Standards Association.



The C-Tick mark is a registered trademark of the Australian Spectrum Management Agency.

ISM1-A

This text denotes the instrument is an Industrial Scientific and Medical Group 1 Class A product.