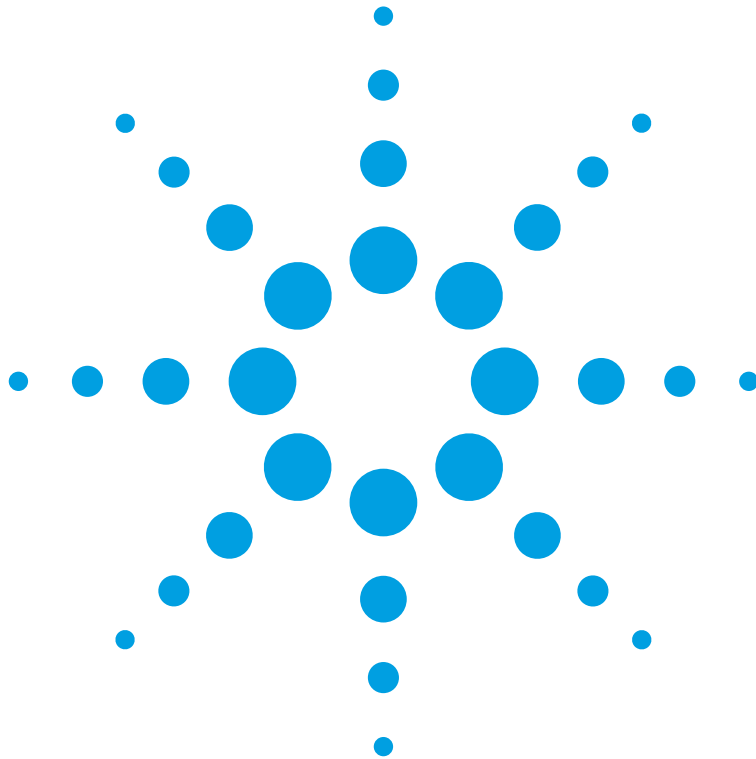


infiniium DCA  
Agilent 86100A/B/C Series  
Plug-in Modules  
Installation Guide



**Agilent Technologies**

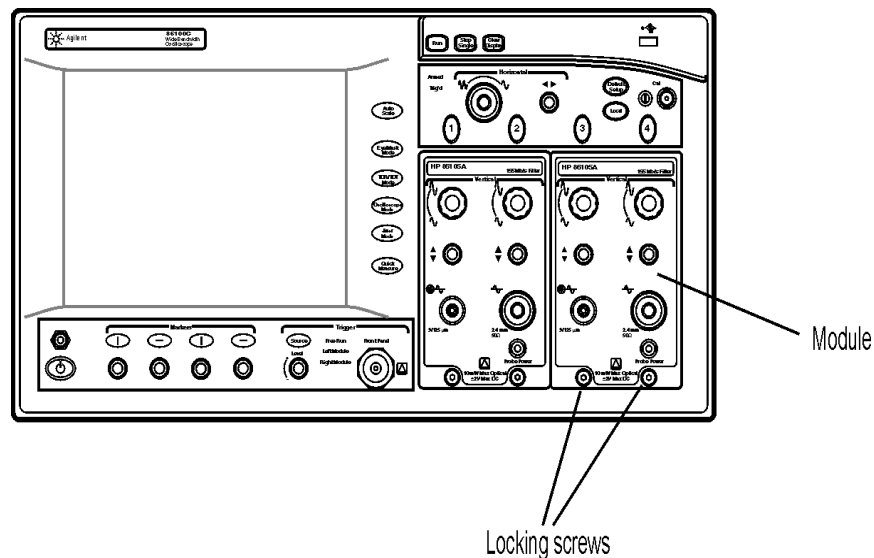
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## Installation Instructions

This plug-in module is designed for use with the Infiniium DCA Agilent 86100A/B/C wide-bandwidth oscilloscope.

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

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



- 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 built-in information system (online help). To access the online help, click Contents on the Help menu.

- 3 A firmware upgrade is enclosed in the module shipping container. Install this firmware if the manframe does not have the latest version of firmware. To learn more about firmware upgrades, available modules, or the Infiniium DCA, visit

our website at <http://www.agilent.com/comms/dca>.

## 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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## Regulatory Information

***Radio-Frequency Electromagnetic Field Immunity - IEC 61000-4-3: 1995 passes criterion B***

According to IEC 61000-4-3: 1995, degradation of system noise performance may be observed in some narrow frequency ranges when a 3 V/m radio-frequency electromagnetic field is applied to the 86100A,B mainframe with an 86102U, 86106B, or 86107A module installed.

***Radio-Frequency Electromagnetic Field Immunity - IEC 61000-4-3: 1995 passes criterion C***

According to IEC 61000-4-3: 1995, the degradation of normal performance within the specification limits may be observed in the 86100A,B mainframe with an 86107A module installed. The instrument software recognizes this temporary signal degradation and warns the user that the data is suspect. The warning prompts the user to press the Clear Display button. The user can then resume data acquisition. This required operator intervention results in a criterion C classification.

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## Notices

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## Safety Notices

### CAUTION

Caution 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

Warning 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.

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