

# Read This First

## 80C00, 80E00, 80A00, and 82A00 Series Modules

### Handle Modules Safely



**CAUTION.** The sampling module inputs and outputs can be damaged by electrostatic discharge (ESD). Always store and transport modules in a static-free container, with their supplied terminations installed. Do not transport or ship the instrument with the modules installed in the instrument compartments.

Always use a wrist strap (provided with your instrument) when handling modules or making connections. Discharge cables to ground before attaching to modules.

To prevent damage to the modules or instrument, never install or remove a module when the instrument is powered on.

### Install a Module

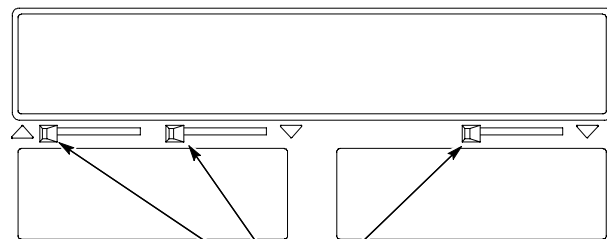
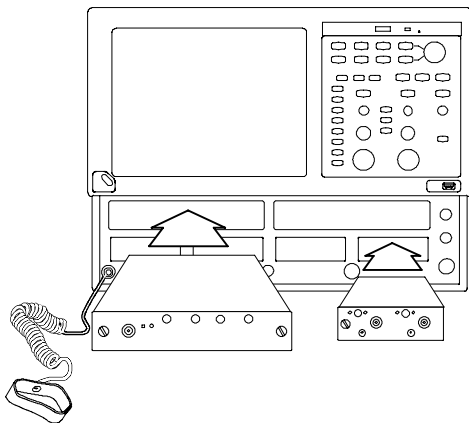
1. Power off the instrument using the front-panel On/Standby switch.
2. If installing a large compartment module (upper two compartments), turn the module hold-down screws counterclockwise.
3. Slowly push the module into a compartment, using firm pressure. (See illustration below left.) When the module is seated, turn the hold-down screws clockwise to lock the module into place.
4. Power on the instrument. Run Compensation from the Utilities menu to ensure that the instrument meets its specifications. You must also run a compensation if an extender is installed, changed, or removed from a module.

### Remove a Module



**CAUTION.** Do not use the input connectors to pull a module out of a compartment. Always use the module ejectors.

1. Power off the instrument using the front-panel On/Standby switch.
2. Turn the module hold-down screws counterclockwise.
3. Use the module ejector to unseat the module. (See illustration below right. Note the arrows near the ejectors indicating upper or lower compartments.)



Use module ejectors after  
unscrewing the hold-down  
screws

## Locate User Documentation for Modules

- Module documentation in Adobe PDF format is located on the main instrument product documentation CD-ROM.
- You can purchase printed copies of manuals by contacting Tektronix or from the Tektronix Web site.
- To download the most recent versions of manuals from the Tektronix Web site, select the manuals link under the myTek Resource Center heading, and then search for the partial Tektronix part numbers listed in the following table:

| Search for  | Products covered <sup>1</sup>                                     | Search for  | Products covered                              |
|-------------|---|-------------|---|
| 071-0435-xx | 80C00 Series Optical Sampling Modules                             | 071-1317-xx | 80A02 EOS/ESD Protection Module               |
| 071-0434-xx | 80E01, 80E02, 80E03, 80E04, and 80E06 Electrical Sampling Modules | 071-1298-xx | 80A03 TekConnect <sup>®</sup> Probe Interface |
| 071-2038-xx | 80E07, 80E08, 80E09, and 80E10 Electrical Sampling Remote Modules | 071-1467-xx | 80A05 Electrical Clock Recovery Module        |
| 071-0873-xx | 80A01 Pre-Scaled Trigger Amplifier                                | 071-1744-xx | 80A06 PatternSync Module                      |

<sup>1</sup> The 82A04 Phase Reference module is documented in the main instrument online help and the Specifications and Performance Verification manual.

## Ensure Software Compatibility

1. Ensure that your product software version is appropriate for the version of Microsoft Windows loaded on your mainframe.
  - Find your software version by selecting *About* in the mainframe Help menu.
  - Visit the Tektronix Web site for upgrades and information. From the Oscilloscopes page, select the Sampling link for product information. From the Sampling Oscilloscopes page, select Download Software for software updates.
2. Use the following table to find the product software version required for your module. Each new version supports all of the modules supported by earlier versions.

| Product software             | New modules supported   | Operating system <sup>1</sup>   |
|------------------------------|---|---------------------------------|
| Version 1.0                  | 80C01, 80C01-CR, 80C02/-CR, 80C03/-CR, 80E01, 80E02, 80E03, 80E04, 80A01, 80A02 | Requires Microsoft Windows 98   |
| Version 1.1                  | 80C04/-CR1  |                                 |
| Version 1.2                  | 80C04-CR2, 80C05, 80C06   |                                 |
| Version 1.3                  | 80C07/-CR1, 80C08/-CR1, 80C09/-CR1, 80A03                                       |                                 |
| Version 1.4                  | 80C08B/-CR1-CR2, 80C10, 80E06   |                                 |
| Version 1.5                  | 80C07B/-CR1, 80C08C/-CR1/-CR2/-CR4, 80C11/-CR1/-CR2/-CR3/-CR4                   |                                 |
| Version 2.0.1.3 <sup>2</sup> | 80C12 (limited), 80A05 (limited)  | Requires Microsoft Windows 2000 |
| Version 2.0.1.5              | 80C12, 80A05  |                                 |
| Version 2.1                  | 82A04 (Must be installed in a DSA8200, CSA8200, or TDS8200 mainframe)           |                                 |
| Version 2.4                  | 80A06   |                                 |
| Version 2.5                  | 80E07, 80E08, 80E09, 80E10 <sup>3</sup>   |                                 |
| Version 5.0                  | 80C10B, 80C02 Option 01, 80C08C Option 01, 80C11 Option 01, 80C12 Option 01     | Requires Microsoft Windows XP   |

<sup>1</sup> Contact Tektronix for operating system upgrade information.

<sup>2</sup> Replace product application software version 2.0.1.3 with the latest available version.

<sup>3</sup> Using the 80E07, 80E08, 80E09, or 80E10 modules in mainframes with older versions of product software may cause the application to fail to start.