Instructions

Tektronix

80N01
Sampling Module Extender

071-2037-01

www.tektronix.com

071203701

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Contacting Tektronix

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For product information, sales, service, and technical support:

- In North America, call 1-800-833-9200.
- Worldwide, visit www.tektronix.com to find contacts in your area.

Warranty 6

Tektronix warrants that the parts and modules (“parts”) that it manufactures and sells will be free from defects in materials and workmanship for a period of three (3) months from the date of shipment. If any such part proves defective during this warranty period, Tektronix, at its option, either will repair the defective part without charge, or will provide a replacement in exchange for the defective part. Parts and modules used by Tektronix for warranty work may be new or reconditioned to like new performance. All replaced parts and modules become the property of Tektronix.

In order to obtain service under this warranty, Customer must notify Tektronix of the defect before the expiration of the warranty period and make suitable arrangements for the performance of service. Customer shall be responsible for packaging and shipping the defective part to the service center designated by Tektronix, with shipping charges prepaid. Tektronix shall pay for the return of the part to Customer if the shipment is to a location within the country in which the Tektronix service center is located. Customer shall be responsible for paying all shipping charges, duties, taxes, and any other charges for parts returned to any other locations.

This warranty shall not apply to any defect, failure or damage caused by improper use or improper or inadequate maintenance and care. Tektronix shall not be obligated to furnish service under this warranty a) to repair damage resulting from attempts by personnel other than Tektronix representatives to install, repair or service the part; b) to repair damage resulting from improper use or connection to incompatible equipment; c) to repair any damage or malfunction caused by the use of non-Tektronix supplies; or d) to service a part that has been modified or integrated with other products or parts when the effect of such modification or integration increases the time or difficulty of servicing the part.

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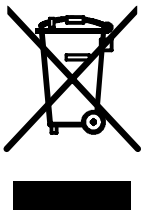
Environmental Considerations

This section provides information about the environmental impact of the product.

Product End-of-Life Handling

Observe the following guidelines when recycling an instrument or component:

Equipment Recycling. Production of this equipment required the extraction and use of natural resources. The equipment may contain substances that could be harmful to the environment or human health if improperly handled at the product's end of life. In order to avoid release of such substances into the environment and to reduce the use of natural resources, we encourage you to recycle this product in an appropriate system that will ensure that most of the materials are reused or recycled appropriately.



The symbol shown to the left indicates that this product complies with the European Union's requirements according to Directive 2002/96/EC on waste electrical and electronic equipment (WEEE). For information about recycling options, check the Support/Service section of the Tektronix Web site (www.tektronix.com).

Restriction of Hazardous Substances

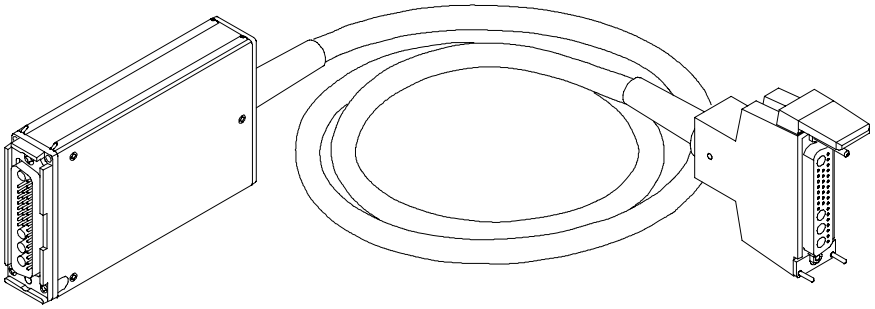
This product has been classified as Monitoring and Control equipment, and is outside the scope of the 2002/95/EC RoHS Directive. This product is known to contain lead, cadmium, and hexavalent chromium.

Product Description

The two-meter long 80N01 Sampling Module Extender is intended for use with the 80E01, 80E02, 80E04, and 80E06 electrical sampling modules. It extends the reach of the module from the instrument in which it is installed. The extender is intended for use with the the following main instruments:

- DSA8200 Digital Serial Analyzer
- CSA8000, CSA8000B, and CSA8200 Communications Signal Analyzer
- TDS8000, TDS8000B, and TDS8200 Digital Sampling Oscilloscope

The extender is installed between the sampling module and the instrument, allowing the sampling module to be operated out of the module compartment in the instrument.



Why Use?

Use the extender to extend the sampling module out of its instrument compartment to reach the device under test. Using the extender avoids input-signal degradation that can occur when using interconnect cables between the sampling module and the device under test.

Exclusions

Observe the following usage rules to avoid damaging your sampling modules or instruments:

- The extender cannot be used with any large compartment modules.
- Do not use this extender with an 11800 or a CSA800 series instrument. Instead, use the extender made solely for the 11800 and the CSA800 instruments.
- Some small modules are mechanically blocked from use with the 80N01.

Compensation Requirement

You must run a compensation (accessed from the Utilities menu) whenever the extender configuration is changed. In short, if you install or remove an 80N01 extender, run a compensation. For instructions on running a compensation, see the online help and other documentation for your main instrument.

Operating Temperature Requirement

When you install one or more of the extenders, the operating temperature range of the instrument is reduced from +10 to +40 °C to +10 to +35 °C.

Horizontal Position

Horizontal position is a global setting. Installing an extender with any sampling module increases the minimum horizontal position setting by +10 ns. This affects waveforms acquired from all modules, extended or not.

Installation Instructions

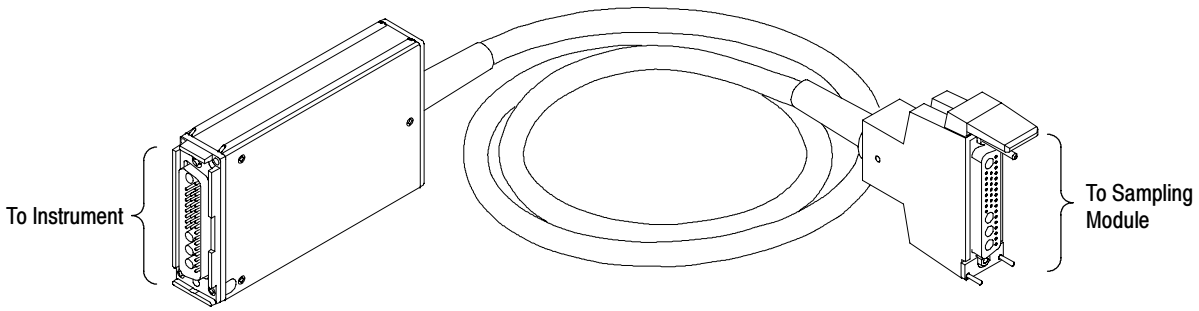
CAUTION. *To prevent damage to the sampling module or instrument, never install or remove this extender from the instrument or from the sampling module when the instrument is powered on. Observe standard handling precautions for static-sensitive devices while installing this kit. Always wear a grounded wrist strap, grounded foot strap, and static resistant apparel while installing this kit.*

Also when installing or using this product, observe all static precautions and warnings listed in the user documentation for the sampling module and main instrument.

NOTE*. The sampling-module extender is keyed to prevent connecting to devices not intended to be extended and to prevent two or more extenders from being connected in series.*

Perform the following steps to install the extender between the instrument and the electrical sampling module:

1. If the instrument is running, shut it down by pressing the On/Standby button on the front panel.
2. Install the connector labeled “To Instrument” into a suitable compartment in the instrument. See the sampling-module user manual if you require more information.



3. Use the connector marked “To Sampling Module” to connect to the sampling module. See the sampling-module user manual if you require information on connecting signals to the sampling module.