

TCA-N Adapter Instructions

071-0821-02

www.tektronix.com



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Safety Summary

To avoid potential hazards, use this product only as specified.

To avoid fire or personal injury

Connect and disconnect properly. Connect the adapter to the host instrument before connecting the device or cable to the circuit-under-test. Disconnect the device input and ground from the circuit-under-test before disconnecting the device from the TCA-N adapter and host instrument.

Ground the product. This product is indirectly grounded through the grounding conductor of the host instrument power cord. To avoid electric shock, the grounding conductor must be connected to earth ground. Before making connections to the input or output terminals of the product, ensure that the product is properly grounded.

Observe all terminal ratings. To avoid fire or shock hazard, observe all ratings and markings on the host instrument. Consult the host instrument documentation for further ratings information before making connections to the host instrument.

Do not apply a potential to any terminal, including the common terminal, that exceeds the maximum rating of that terminal.

Do not operate without covers. Do not operate this product with covers or panels removed.

Do not operate with suspected failures. If you suspect there is damage to this product, have it inspected by qualified service personnel.

Do not operate in wet/damp conditions.

Do not operate in an explosive atmosphere.

Keep product surfaces clean and dry.

Safety symbols on the product



Product Description

The TekConnect™-N adapter allows you to connect cables with N connectors to Tektronix instruments with the TekConnect interface. The adapter preserves maximum signal integrity and eliminates the need for additional external adapters, which can degrade the voltage standing wave ratio (VSWR).

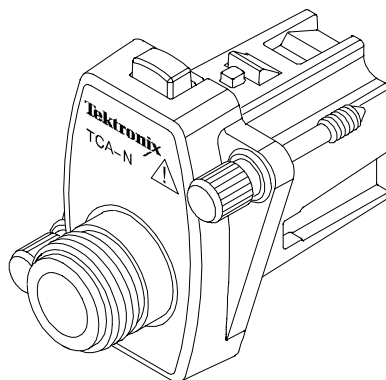


Figure 1: TCA-N Adapter

Using the Adapter

The adapter connects directly to the Tekconnect interface on the host instrument.

Installing the Adapter

1. Insert the TCA-N adapter into the TekConnect interface on the host instrument until the adapter locks in place.
2. Finger tighten the two screws to provide additional strength to hold the N connector and cable.
3. Connect an N-type device to the adapter.
4. Connect the N-type device to the circuit-under-test.

Removing the Adapter

1. Disconnect the device input and ground from the circuit-under-test.
2. Disconnect the N-type device from the adapter.
3. Unscrew the two screws holding the adapter in place (use a screw driver if necessary).
4. Press the button on top of the adapter (see Figure 2) to release the lock and remove the adapter from the host instrument.

NOTE. It may be necessary to remove the adapter before installing the host instrument cover.

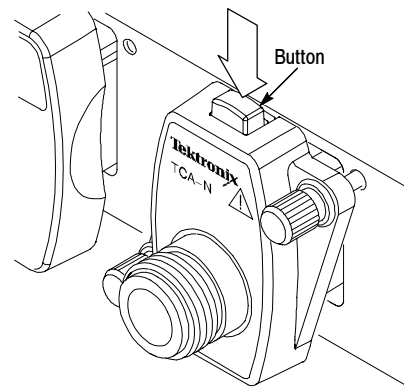


Figure 2: Removing the adapter from the host instrument

Specifications

Maximum Input Voltage. The lesser of 30 V_{RMS} or the maximum input voltage rating for the TekConnect host instrument.

VSWR. Refer to the TekConnect host instrument for the overall system VSWR.

Propagation Delay. 165 ps ± 5 ps.

Additional Information

For additional information on using the TekConnect adapters, refer to the documentation for the host instrument.

WARRANTY SUMMARY

Tektronix warrants that the products that it manufactures and sells will be free from defects in materials and workmanship for a period of one (1) year from the date of shipment. If a product proves defective within the respective period, Tektronix will provide repair or replacement as described in the complete warranty statement.

To arrange for service or obtain a copy of the complete warranty statement, please contact your nearest Tektronix sales and service office.

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