

XPROTEC

**Cable Tester
with Universal Adapter Kit**

Operation Manual



XFTP
TRILITHIC



About XProTec Pro-Installer Tools

The XProTec line from XFTP is a comprehensive lineup of professional-grade technical tools. These full-featured, field-proven, and easy-to-use tools meet the highest quality standards in the industry, and feature the dependability you expect for complete installation solutions.



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Features and Benefits

Cable Continuity Testing

The XProTec Cable Tester is a cable continuity tester for identifying cables in multi-run installations. The cable tester uses the Cable Tester to place a DC current through one end of the desired cable and identifies the cable at the other end with the Detachable Tone Detector.

Short Circuit Testing

This device is equipped with a Short Circuit Detector LED located on the head of the Cable Tester. If a DC short circuit exists in the cable being tested, the LED will illuminate. Many high quality splitters used for multi-run installations are short circuits to DC. If these splitters are in line with the cable being tested, the LED will illuminate.

Precautions Before Use



WARNING: This device should never be used on live electrical circuits. It is not protected against electrical shock! This tool is not to be used for purposes other than intended. Read carefully and understand the instructions before using this device.

Equipment Supplied

The XProTec Cable Tester includes the following:

- Cable Tester with Short Circuit Detector
- Detachable Tone Detector
- Carrying Case
- Printed Operation Manual
- F Type Adapters (Qty 7)
- BNC Adapters (Qty 6)
- RCA Adapters (Qty 4)
- RJ-11 Adapters (Qty 2)
- RJ-45 Adapters (Qty 2)



A Guided Tour of Your Equipment

Cable Tester Unit

The XProTec Cable Tester consists of the following components:

Male F Type Push-On Connector

Cable Tester

Battery Access Cap

Detachable Tone Detector

Short Circuit Detector LED



F Type Adapters

The following F Type Adapters are included:

- Qty 2 - F Female to F Male Push-On
- Qty 2 - F Female to F Female
- Qty 3 - F Male to F Male



BNC Adapters

The following BNC Adapters are included:

- Qty 2 - BNC Male to F Type Female
- Qty 2 - BNC Female to F Type Female
- Qty 2 - BNC Female to F Type Male



RCA Adapters

The following RCA Adapters are included:

- Qty 2 - RCA Male to F Female
- Qty 2 - RCA Female to F Male



RJ-11 Adapters

The following RJ-11 Adapters are included:

- Qty 2 - RJ-11 Male to F Male Push-On



RJ-45 Adapters

The following RJ-45 Adapters are included:

- Qty 2 - RJ-45 Male to F Male Push-On



Battery Installation

The XProTec Cable Tester includes one (1) 1.5 V AAA sized battery. To install the battery, perform the following steps:

1. Remove the battery access cap at the bottom of the Cable Tester by turning it counter-clockwise.
2. Insert the included battery positive (+) side first into the body of the Cable Tester.
3. Replace the battery access cap.



Operation

To test a cable run, perform the following steps:

1. Remove the Detachable Tone Detector from the bottom of the Cable Tester by turning it counter-clockwise.
2. Attach the Cable Tester to the destination end of the cable run.
3. Attach the Detachable Tone Detector to each one of the cables at the home run cable location. Once the proper cable is found, a tone will sound.



Testing Cables

RG-59/U & RG-6 Coaxial Cables

The following example illustrates the configuration of adapters needed when testing coaxial cables with two (2) male ends.

This configuration uses the following adapters:

- Qty 1 - F Female to F Female

Tone Detector Cable End



Cable Tester Cable End



BNC Cables (Male to Male)

The following example illustrates the configuration of adapters needed when testing BNC cables with two (2) male ends. This configuration uses the following adapters:

- Qty 1 - BNC Female to F Type Female
- Qty 1 - BNC Female to F Type Male

Tone Detector Cable End



Cable Tester Cable End



BNC Cables (Female to Female)

The following example illustrates the configuration of adapters needed when testing BNC cables with two (2) female ends.

This configuration uses the following adapters:

- Qty 2 - BNC Male to F Type Female
- Qty 1 - F Male to F Male

Tone Detector Cable End



Cable Tester Cable End



RCA Cables (Male to Male)

The following example illustrates the configuration of adapters needed when testing RCA cables with two (2) male ends. This configuration uses the following adapters:

- Qty 2 - RCA Female to F Male
- Qty 1 - F Female to F Female

Tone Detector Cable End



Cable Tester Cable End



RCA Cables (Female to Female)

The following example illustrates the configuration of adapters needed when testing RCA cables with two (2) female ends.

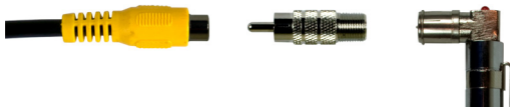
This configuration uses the following adapters:

- Qty 2 - RCA Male to F Female
- Qty 1 - F Male to F Male

Tone Detector Cable End



Cable Tester Cable End



Telephone Cables (RJ-11)

The following example illustrates the configuration of adapters needed when testing wired telephone plugs. This configuration uses the following adapters:

- Qty 2 - RJ-11 Male to F Male Push-On
- Qty 1 - F Female to F Female

Tone Detector Cable End



Cable Tester Cable End



Network Cables (RJ-45)

The following example illustrates the configuration of adapters needed when testing wired network plugs. This configuration uses the following adapters:

- Qty 2 - RJ-45 Male to F Male Push-On
- Qty 1 - F Female to F Female

Tone Detector Cable End



Cable Tester Cable End





Warranty Information

Trilithic, Inc. warrants that each part of this product will be free from defects in materials and workmanship, under normal use, operating conditions and service for a period of one (1) year from date of delivery. Trilithic, Inc.'s obligation under this Warranty shall be limited, at Trilithic, Inc.'s sole option, to replacing the product, or to replacing or repairing any defective part, F.O.B. Indianapolis, Indiana; provided that the Buyer shall give Trilithic, Inc. written notice.

Batteries are not included or covered by this Warranty.

The remedy set forth herein shall be the only remedy available to the Buyer under this Warranty and in no event shall Trilithic, Inc. be liable for incidental or consequential damages for any alleged breach of this Warranty. This Warranty shall not apply to any part of the product which, without fault of Trilithic, Inc., has been subject to alteration, failure caused by a part not supplied by Trilithic, Inc., accident, fire or other casualty, negligence or misuse, or to any cause whatsoever other than as a result of a defect.

Except for the warranty and exclusions set forth above, and the warranties, if any, available to the Buyer from those who supply Trilithic, Inc., there are no warranties, expressed or implied (including without limitation, any implied warranties of merchantability of fitness), with respect to the condition of the product or its suitability for any use intended for it by the Buyer or by the purchaser from the Buyer.



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