BLACK BOX®
NETWORK SERVICES

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TVR 10/100/1000 TESTER
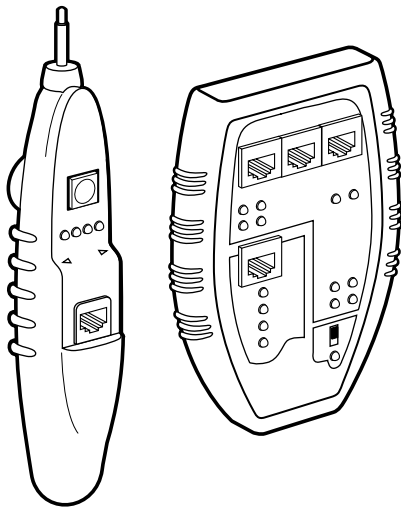
Test, verify, and repair
your 10/100/1000BASE-T LAN
with this low-cost handheld tester.

Key Features

► *Combines functions of seven test sets.*

► *Perform verification for 10/100/1000BASE-T switches and PCs.*

► *Match your switch and PC (or two switches)—simulate straight-through or crossover cable.*

► *Locate cables or switch ports using the remote probe to detect a tone generated by the handheld tester.*

► *Verifies terminated pairs in switch or PC, wired pairs, and pair reversals.*

This tool is a necessity for anyone involved with 10/100/1000BASE-T LAN installations or repairs.

Use the tester to help you locate faulty switches, cables, PCs, or cable connections that are hindering your LAN's performance.

This handy tester helps you answer these questions about LAN devices:

• Is my switch or PC powered on and working?
• Do I need a straight-through or crossover cable?
• Is my LAN speed 10, 100, or 1000 Mbps?
• Is a switch or PC operating at less than optimal speed?
• Does my switch or PC appear as a switch or PC?

The TVR 10/100/1000 Tester also answers your LAN cabling questions:

• Is a switch or PC connected to my cable?
• Does my switch or PC require two- or four-pair cables?
• What pairs are terminated in my cable?
• Where is my cable in the wiring closet?
• Which switch port is my PC using?
• Is my cabling straight-through or crossover?
• Does my cable have an inverted pair or other faults?

The TVR 10/100/1000 Tester can also be used when documenting legacy LANs and adding LAN equipment.

To get your LAN up and running quickly, the TVR 10/100/1000 Tester combines the features of seven types of test sets:

• Switch/PC verifier that indicates the type of device.

• LAN speedometer to verify the speed of the link.
• Straight-through/crossover cable simulator for determining the type of patch cable required.
• On-line network activity monitor, which indicates when data is being transmitted and at what speed.
• Tone probe/tone generator for tracing cable locations and the ports they use.
• Cable pairs tester, which verifies what cable pairs are wired and identifies straight-through and crossover configurations.
• Cable termination tester, to determine whether a LAN device is connected at the end of a cable and the number of cable pairs required by the device.

The set includes a main unit and remote probe. The main unit performs most tests that determine LAN device type—switch or PC, LAN speed, and so on—without the need for the remote unit.

The remote probe enables you to trace cable locations. It does this by audibly tracing tones in cables with all four pairs. It tests wiring paired to the EIA/TIA 568A standard (typically used for ISDN cabling) and 568B standard (the most popular scheme for twisted-pair Ethernet cabling). The TVR 10/100/1000 does not test USOC pairing.

Specifications

Network Supported: Twisted-pair

Compliance: CE approved

Connectors: (4) RJ-45 jacks on tester

Indicators: Tester: (15) LEDs; Remote Unit: (4) LEDs

Temperature: Operating: 32 to 122°F (0 to 50°C); Storage: 14 to 131°F (-10 to +55°C)

Humidity: 10 to 90% relative (noncondensing)

Power: (2) 9-V alkaline batteries (included)

Size: Tester: 5.5"H x 3.3"W x 1"D (14 x 8.4 x 2.5 cm); Remote unit: 7"H x 1"W x 0.8"D (17.8 x 2.5 x 2 cm)

Weight: 0.5 lb. (0.2 kg)

Tester Kit Includes

- Main unit
- Remote probe unit
- (2) 9-V batteries
- (2) RJ-45-to-RJ-45 jumpers
- Protective carrying pouch
- User's manual

Why Buy From Black Box? Exceptional Value. Exceptional Tech Support. Period.

Recognize any of these situations?

- You wait more than 30 minutes to get through to a vendor's tech support.
- The so-called "tech" can't help you or gives you the wrong answer.
- You don't have a purchase order number and the tech refuses to help you.
- It's 9 p. m. and you need help, but your vendor's tech support line is closed.

According to a survey by Data Communications magazine, 90% of network managers surveyed say that getting the technical support they need is extremely important when choosing a vendor. But even though network managers pay anywhere from 10 to 20% of their overall purchase price for a basic service and support contract, the technical support and service they receive falls far short of their expectations—and certainly isn't worth what they paid.

At Black Box, we guarantee the best value and the best support. You can even consult our Technical Support Experts before you buy if you need help selecting just the right component for your application.

Don't waste time and money—call Black Box today.

Ordering Information

ITEM	CODE
TVR 10/100/1000 Tester	TS029A-R4