

*The  
all-in-one,  
low-cost, triple-play  
testing solution.*



**Tri-Porter—  
The Network Qualification  
and Testing Tool**

The first network installation tester that provides a full range of physical wiring tests for the fast, efficient delivery of IP-based voice, data and video services in the home or small office with one integrated tool.

*Test, Talk & Trace  
home and office voice/data/video  
cabling installations.*

DSL-safe telephone test set



network tester



tone generator



cable tester/verifier



tone detector/cable finder



coax mapper



## Tri-Porter replaces up to 6 traditional testing tools.

Testing and verifying IP-based services in your customers' premises now takes less time and is more convenient and economical than ever before. Coax runs, network systems and voice/telephony lines are all easily tested and verified for service levels to assure optimal performance.

## Triple Play is the new buzz word. What does it mean?

It refers to three services, **voice, data and video**, that customers require today for 21st century living. These three services travel over the premise cabling, which needs to be tested and qualified to assure good quality signals with adequate capacity. Tri-Porter is our answer to this need, with its multi-functional, broad-based capabilities. It is the natural evolution of Test-Um's core strengths, **Test, Talk and Trace**, in one all-encompassing product. Tri-Porter will make your job of testing and configuring cables easier, faster and more accurate, at a cost that is a fraction of what you would expect to pay.

## Tri-Porter is waiting to help. Just see what it can do for you!



```
Telco Map Test
SEL to execute
```

### Voice

#### Telephony Testing

Testing and verifying proper operation of each telephone outlet assures adequate signal levels for all offered services. Power-up telephone systems with the on-board dial tone simulator (SLIC) to test connected runs.

- Advanced-function telephone butt set
- Call analysis and discovery
- Voltage and current readings
- Line number discovery with captured digits
- DTMF decode to watch dialed call numbers for accuracy
- Call Waiting service testing
- SLIC simulator to test lines without outside provider service
- Speakerphone for hands-free listening to dial tone and line monitoring
- DSL safe
- 20-pc remote wiremapping set

### SETUP



```
255.255.255.000
DHCP Netmask
```

### Data

#### Testing Ethernet Networks

Test newly-installed network cables on unpowered systems or check active working networks to detect any physical layer or configuration problems.

- Configure the network, test the cables and guarantee the quality
- Tests to TIA568 interconnect specifications and connected length; CAT5, 5E and 6
- Port discovery—ISDN, POTS, Token Ring, Ethernet, etc.
- Negotiates at 100 Mbit with DHCP or manual addressing
- Ping for IP address information and configuration
- Identify equipment on the other end of the line, showing its speed and type
- Link speed displayed, 10/100Mbit
- Hub blink to find connected ends in wiring closets
- Qualify lines for VoIP service at 100Mbit speeds
- Cisco Discovery Protocol ready
- 20-pc remote wiremapping set



```
RF Energy
SEL to execute
```

### Video

#### RF Detection and Testing

HDTV, video-on-demand, cable modems, etc., all demand superb signal quality to work correctly. Testing for physical and electronic variations will guarantee that everything works as it should.

- Detects and measures RF service energy levels DB/Mv
- Tests for *opens* and *shorts*
- Displays length of each tested run
- 20-pc remote wiremapping set
- The unique tone signal—which travels through splitter, filters and traps to trace lines while the system is powered-up and in-use—is detectable by the Tri-Porter tracer unit



## Tri-Porter Specifications

Part number: IVT600

Physical Dimensions	Size		Weight (with battery)	
	centimeters	inches	grams	ounces
Main Unit	20 x 8.9 x 5.6	8.0 x 3.5 x 2.2	740	26
Tracer/Remote	15 x 5.8 x 4.3	9.3 x 2.3 x 1.7	285	10

### Environmental

Operating temperature: 0 to 50°C (32 to 122°F)

Storage temperature: -30 to 80°C (-20 to 176°F)

Humidity: 10% to 90%, non-condensing

### Battery Life

Times are for the full capacity of the battery used continuously in one of the following modes:

	Standby (years)	Testing (hours)		Phone (hours)	Tracing (hours)
		Cable	Network		
Main Unit (six AA alkaline)	2.5				
no backlight		50	13	27	
50% backlight		27	12	22	
Tracer/Remote (one 9v alkaline)	2.5	—	—	18	13.5

### Network Testing

10Mb or 100Mb Ethernet

### Cable Types

Shielded or unshielded CAT-3, CAT-5, CAT-5E or CAT-6; coax;  
2-, 4- and 6-pair telephone cabling

Minimum Cable Length	Meters	Feet
when testing for split pairs	1	3
for single-ended cable test	1.25	4

Length Measurement Range	Meters	Feet
paired cable or CAT-5/6	1 to 457	3 to 1500
coax cable	1 to 300	3 to 1100

Specifications subject to change without notice

Tri-Porter comes with a handy carrying case, which holds both the main unit and the remote tester/tracer, along with the 20-piece wiremapping sets for remote discovery of telephone, coax, and network cables.