

# TESTMASTER™ 108 | Splicer's Test Set

## APPLICATIONS:

The Testmaster brand Splicer's Test Set Model 108 is a rapid pair tester that is particularly well suited for efficiently testing large numbers of nonworking pairs such as those found in newly constructed cables. The Testmaster excels at conformance testing and automatically tests 25 pairs in 4.0 seconds. It detects opens, shorts, grounds, crosses, and splits with a single ended test. No connection is needed at the far end.

In the field, the Testmaster is used to test cables as they are spliced to modular connectors such as MS2 or 710 modules. Testmaster's unique design enables splicers to test splices as they are made. Splicing mistakes are found immediately, not when the cable is placed into service.

The unit may also be used from the Main Distribution Frame (MDF) or a cross connect box to verify the accuracy of large cable jobs. The Testmaster instantly alerts the operator both audibly and visually when splicing errors or bad pairs are found.

Technicians typically use the Testmaster to perform the following functions:

- Rapid test of new cable construction.
- Test modular splices as they are completed. Identify splicing errors immediately.
- Locate opens, shorts, grounds, crosses and splits using either analog or digital meters.
- Send Simplex 577 Hz tone for pair identification.
- Supply talk battery.

**Automatic Scan** - The Testmaster automatically scans a 25 pair group in as little as 4.0seconds and will indicate defects such as shorts, grounds, opens, crosses and splits. To scan a non-working cable for defects, the operator first connects to the MDF, cross connect box, or cutter presser via the cinch connector provided on the front panel. The Testmaster is then adjusted for actual cable capacitance using the large, easy to read meter. The scan sequence is then begun. The 25 pair group is rapidly scanned and any defective pairs are indicated by an audible alarm which sounds in conjunction with the appropriate pair LEDs being lighted on the front panel. A special feature of the Testmaster allows two different cable capacitance values to be entered and stored. This is useful to the splicer when building out modular splices since the cable may be tested in both directions from the splice location.

**Testing Defective Cable Pairs** - If pairs are found to be defective using the SCAN function, they may be analyzed further using the TEST, DM, or CAP functions. The pair is first selected either by using the PAIR SELECT SWITCH and the cinch connector, or by using the external test cord. Testing for shorts and grounds is accomplished using the TEST function and opens, crosses and splits are detected using the CAP function.



**Locating Faults** - The Testmaster is also equipped with a digital meter (DM function) which may be used to locate opens or shorts. The operator simply selects the correct pair using the PAIR SELECT SWITCH and reads either length or distance-to-short in feet or meters on the large digital meter.

**Tone** - A 577 Hz tone may be sent on any pair using either the cinch connector provided or the external test cord. Tone may be sent either simplex, which is not audible to subscribers, or grounded to identify reversals.

**Talk Function** - For general communication, the Testmaster incorporates a powerful talk circuit. A separate talk pair cord is provided for the talk circuit. When the operator at the far end has found the correct pair, connected his headset, and is ready to talk, an alarm alerts the operator.

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## SPECIFICATIONS

Size	10.5 x 11.0 x 4.5 inches (26 x 28 x 11 cm)
Unit Weight	10 lbs (4.5 kg)
Shipping Weight	11 lbs (5.4 kg)
Batteries	Six 9V Alkaline NEDA 1604
Operating Temperature	0 to 120°F (-20 to 50°C)
Tone	577 Hz Precision simplex or grounded
Test Ranges:	
Voltage	0 to 100 VDC
Resistance	0 to 10 Megohms (analog) 0 to 19.99 Kohms (digital)
Length	50 to 100,000 ft (30 to 30,000 meters)
CE	

## ORDERING INFORMATION

Testmaster Splicer's Test Set, Model 108-  
measures in feet and uses AWG wire gauge

Testmaster Splicer's Test Set, Model 108M-  
measures in meters and uses mm wire sizes

Testmaster Splicer's Test Set, Model 108S-  
measures in meters, uses mm wire sizes,  
and has Spanish nomenclature

Each Testmaster version includes all  
batteries and cords for single pair operation.

### Optional Accessories

Soft-Pak carrying case (P/N 0108-0068-2) is a durable  
padded case that protects the Testmaster from scuffs  
and scratches.

Model 305 Test Cord is a 25 pair test cord to attach  
the Testmaster to an 835 or 890 cutter presser.

Model 306 Test Cord is a 25 pair wye cord to attach  
the Testmaster to two cutter pressers.

Model 311 Test Cord is a general purpose 25 pair cord  
unterminated on one end.

Model 110A Switchmaster Cable Access Set is a 100  
pair switch unit to attach the Testmaster to as many as  
100 pairs at a time.



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