

multicomp PRO



Wire Tracker Probe with Tone Generator

Model: MP700006

IMPORTANT SAFETY INFORMATION

Please read these instructions carefully before use and retain for future reference.

Warning: Do not connect to circuits carrying AC voltage in tone or polarity modes.

- The maximum voltage allowed across the leads is 60V DC in tone and polarity modes.

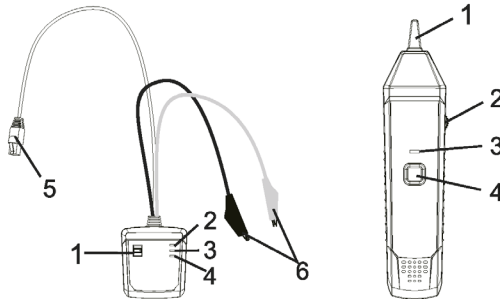
Warning: Do not connect to circuits carrying AC or DC voltage in continuity test modes.

- Check the test leads, probes and case insulation before using. If you find any breakage or abnormality, or you consider the device is broken, stop using the device immediately.
- Do not touch the metal probe tips when making connections.
- Do not use this meter in thunderstorm conditions.
- Replace the batteries as soon as the low battery indicator appears on the display.
- Remove dead batteries from the meter or if it is not going to be used for a long time.
- Never mix old and new batteries together, or different types of batteries.
- Never dispose of batteries in a fire, or attempt to recharge ordinary batteries.
- Do not use the meter with the battery or back cover open.
- Before replacing the battery, turn off the meter and disconnect all the test probes.
- To prolong battery life turn off the meter after use.

WHAT'S INCLUDED

- Digital Tone Generator.
- Probe.
- User manual.
- 9V battery x 2off.

OVERVIEW



Tone Generator

1. Tone/Power/Continuity switch
2. Tone LED
3. Power LED
4. Continuity LED
5. Modular RJ11 connector
6. Test leads

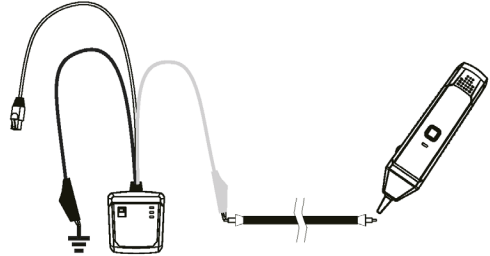
Probe

1. Signal probe
2. Volume/sensitivity slider
3. Power LED
4. Test button

FUNCTIONS

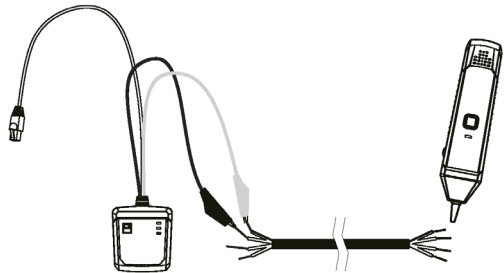
Tracing Cables

- On the Tone Generator set the function switch to TONE position.
- The TONE and POWER LEDs will illuminate.
- Connect the red test lead to the wire in the cable you wish to trace and connect the black lead to ground.
- If the cable is shielded connect the black lead to the shield.
- Point the probe tip to the cable and press the TEST button.
- The POWER LED on the probe will illuminate.
- Adjust the volume/sensitivity slider so the output is easily audible.
- The volume will be loudest when the probe tip is close to the wire connected to the tone generator.



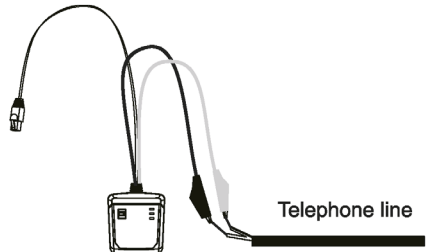
Tracing Pairs

- On the Tone Generator set the function switch to TONE position.
- The TONE and POWER LEDs will illuminate.
- Connect the red test lead to one wire of the cable and connect the black lead to the other wire of the pair being traced within the cable.
- Point the probe tip to the cable and press the TEST button.
- The POWER LED on the probe will illuminate.
- Adjust the volume/sensitivity slider so the output is easily audible.
- The volume will be loudest when the probe tip is close to the wires connected to the tone generator.



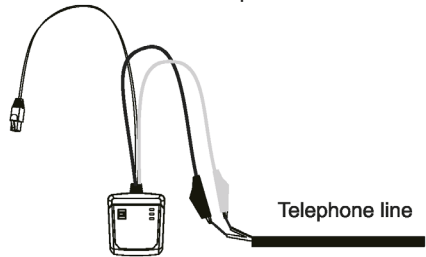
Indicating Line Conditions (Checking Polarity)

- On the Tone Generator set the function switch to POWER position.
- Connect the red test lead to one wire and the black lead to the other wire of the telephone line being tested.
- If the CONTINUITY LED turns green a normal working line with correct polarity is indicated.
- If the TONE LED turns red, incorrect polarity is indicated.
- If the CONTINUITY LED turns dark green, a faulty or off-hook line with correct polarity is indicated.
- If the TONE LED turns dark red, a faulty or off-hook line with incorrect polarity is indicated.



Continuity Test

- Connect the red test lead to one wire and the black lead to the other wire of the telephone line being tested.
- On the Tone Generator put the function switch to CONTINUITY position.
- If the CONTINUITY LED turns green if there is an electrical path between the connection points.
- The tester indicates continuity up to 10k Ω .
- The LED is brighter on low resistance and less bright on higher resistance.



Supplying Talk Power

- Insert the RJ11 plug into the telephone socket and put the function switch to CONTINUITY mode to supply talk power.

Note: the tone generator has an RJ11 phone plug which can be used instead of the clip test leads when the pair of wires being tested is terminated in an RJ11 jack. This can be used in any operating mode.

SPECIFICATIONS

	Tone Generator	Probe
Output Power/Voltage	10mW (into 600 Ω)/8VDC	-
Output freq @ Warble rate	Alternating 1.25/1.4kHz @ 6Hz	-
Over voltage protection	60VDC	-
Operating temperature	0 $^{\circ}$ ~40 $^{\circ}$ C (storage: -10 $^{\circ}$ C~50 $^{\circ}$ C)	0 $^{\circ}$ ~40 $^{\circ}$ C (storage: -10 $^{\circ}$ C~50 $^{\circ}$ C)
Dimensions	74 x 68 x 28mm	208 x 47 x 33mm
Weight	150g	130g
Input impedance	-	>100M Ω

BATTERY REPLACEMENT

Warning: Only replace the battery after the test leads are Disconnected and the power is turned off.

To replace the battery:

- Remove the battery cover and replace batteries with 1 x 9V type battery keeping the polarity correct. Replace the battery cover.

CLEANING

- Clean the meters with a clean, soft cloth.
- Do not use any chemicals, abrasives or solvents that could damage the meter.



INFORMATION ON WASTE DISPOSAL FOR CONSUMERS OF ELECTRICAL & ELECTRONIC EQUIPMENT

These symbols indicate that separate collection of Waste Electrical and Electronic Equipment (WEEE) or waste batteries is required. Do not dispose of these items with general household waste. Separate for the treatment, recovery and recycling of the materials used. Waste batteries can be returned to any waste battery recycling point which are provided by most battery retailers. Contact your local authority for details of the battery and WEEE recycling schemes available in your area.



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