

Mastech MS6812

Mastech MS6812 Phone Telephone Line Cord Tracker Network Line Cable Tester User Manual

Model: MS6812

Brand: Mastech

1. INTRODUCTION

The Mastech MS6812 Cable Tracker is a professional and safe tool designed for identifying and tracing wires or cables within a bundle without causing damage to their insulation. It is particularly useful for telephone lines, allowing users to identify various states of the line, which simplifies installation, debugging, and maintenance tasks.

Key features of the MS6812 include:

- Detects continuity of cables or wires without damaging insulation.
- Traces cables or wires and diagnoses break points.
- Receives tone signals on cables or wires (e.g., telephone lines).
- Identifies the state of a working telephone line (clear ring, busy).



Figure 1: Mastech MS6812 Cable Tracker (Receiver and Sender Units)

The image displays the Mastech MS6812 Cable Tracker, consisting of two main components: the receiver unit (left) and the sender unit (right). The receiver is a green, pen-shaped device with a black tip, a blue button, and a speaker grille at the bottom. The sender unit is a rectangular green box with 'CONT' and 'TONE' indicators, and attached cables including an RJ11 connector and alligator clips (red and black).

2. SETUP

2.1. Battery Installation

Both the receiver and emitter units require a 9V (6F22) battery for operation. To install the battery:

1. Locate the battery compartment cover on the back of both the receiver and emitter units.
2. Slide or unclip the cover to open the compartment.
3. Connect a 9V battery to the battery clip, ensuring correct polarity.
4. Place the battery inside the compartment and close the cover securely.

Note: Ensure the battery is inserted correctly to avoid damage to the device.

2.2. Connecting to Cables

The sender unit comes with various connectors for different applications:

- **RJ11 Connector:** For direct connection to standard telephone jacks.
- **Alligator Clips:** For connecting to individual wires, bare conductors, or terminals.

Choose the appropriate connector based on the cable or line you intend to test.

3. OPERATING INSTRUCTIONS

3.1. Cable Tracing Function

This function allows you to trace the path of a cable and locate its ends within a bundle.

1. Connect the sender unit to the cable you wish to trace using either the RJ11 connector or the alligator clips.
2. Turn on the sender unit. The 'TONE' indicator light should illuminate, indicating it is emitting a tone signal.
3. Turn on the receiver unit.
4. Move the tip of the receiver along the suspected cable path. The receiver will emit an audible tone when it detects the signal from the sender. The tone will be loudest when the receiver is directly over the correct cable.
5. Follow the tone to trace the cable's route or identify its specific location.

3.2. Continuity Test

Use this function to check for breaks or short circuits in a cable.

1. Connect the sender unit to one end of the cable using the alligator clips.
2. Connect the other end of the cable to the other alligator clip of the sender unit (for a loop test) or to a known good ground/return path.
3. Observe the 'CONT' indicator on the sender unit. If the cable has continuity, the 'CONT' light will illuminate. If there is a break, it will remain off.

3.3. Telephone Line State Identification

The MS6812 can identify the state of an active telephone line.

1. Connect the RJ11 connector of the sender unit directly into the telephone line jack.
2. Observe the indicator lights on the sender unit:
 - If the line is idle (clear ring), a specific light pattern or tone might be indicated (refer to sender unit markings for exact indication).
 - If the line is busy, a different light pattern or tone will be indicated.

Note: Always ensure the device is turned off when not in use to conserve battery life.

4. MAINTENANCE

4.1. Cleaning

To maintain the device's performance and appearance:

- Wipe the exterior of the units with a soft, dry cloth.
- Do not use abrasive cleaners, solvents, or strong chemicals, as these may damage the plastic casing.

4.2. Battery Replacement

When the indicator lights dim or the tone signal weakens, it's time to replace the 9V battery in both units. Follow the battery installation steps outlined in Section 2.1.

4.3. Storage

If the device will not be used for an extended period, remove the batteries to prevent leakage and potential damage to the circuitry. Store the device in a cool, dry place away from direct sunlight and extreme temperatures.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
No tone from receiver.	Receiver battery low or dead. Sender battery low or dead. Sender not turned on or not emitting tone. Cable not properly connected to sender. Cable is broken or open circuit.	Replace receiver battery. Replace sender battery. Ensure sender is on and 'TONE' light is active. Check all connections. Use continuity test to confirm cable integrity.
Weak or intermittent tone.	Low batteries in either unit. Interference from other electrical sources. Receiver too far from the cable.	Replace batteries. Move away from strong electromagnetic fields. Ensure receiver tip is close to the cable.
'CONT' light not illuminating during continuity test.	Sender battery low or dead. Cable is open circuit (broken). Poor connection at alligator clips.	Replace sender battery. Inspect cable for damage. Ensure clips have good contact with conductors.

6. SPECIFICATIONS

Parameter	Value
Send Tone Frequency	1.5 kHz
Receive Frequency Range	100 - 300 kHz
Power Supply	6F22 (9V) battery
Receiver Size	238mm x 43mm x 26mm
Emitter Size	145mm x 35mm x 25mm
Receiver Weight (including battery)	106g
Emitter Weight (including battery)	114g
Model Number	MS6812

Parameter	Value
Manufacturer	Mastech
ASIN	B01B3ZCL02
UPC	193707179107, 190268135627

7. WARRANTY AND SUPPORT

7.1. Warranty Information

Mastech products typically come with a standard manufacturer's warranty covering defects in materials and workmanship. Please refer to the warranty card included with your purchase or visit the official Mastech website for specific warranty terms and conditions applicable to the MS6812 model. Keep your proof of purchase for warranty claims.

7.2. Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Mastech customer support. Contact information can usually be found on the product packaging, the official Mastech website, or through your point of purchase.

Note: Unauthorized repairs or modifications may void your warranty.

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Documents - Mastech – MS6812



[\[pdf\]](#) User Manual Instructions

6812 en cdr h hlb Cable Tracker MS6812 MASTECH User s Manual Part MS6820 T R ShangHai YiHua Co LTD ShenZhen HuaYi Mastech COM CN COM lokalizator na prekasnati provodnitsi ms6812 0 USERMANUAL vikiwat userfiles productimages 39015 files stavrianos dw gr images products Mastech®

Уред за откриване на прекъснати кабели |||

MASTECH Cable Tracker **MS6812** User s Manual Part : MS6820-T MS6820-R ShenZhen HuaYi Mastech Co., LTD WWW.MASTECH.COM.CN ShangHai YiHua MASTECH Co.,LTD MASTECH Introduction: The Cable Tracker is designed to identify and trace wires or cables within a group without damaging the insulation.For tel...

lang:en score:41 filesize: 203.71 K page_count: 6 document date: 2003-11-05

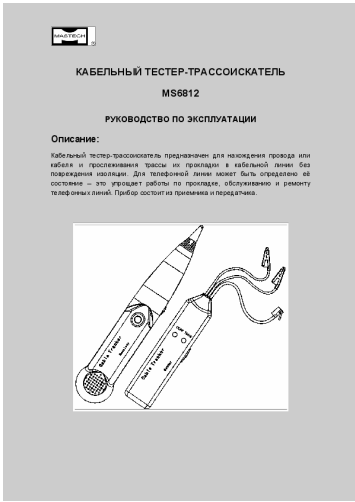


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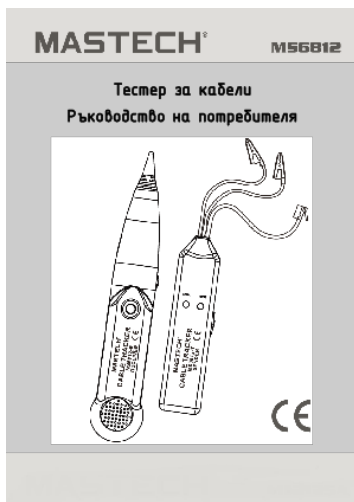
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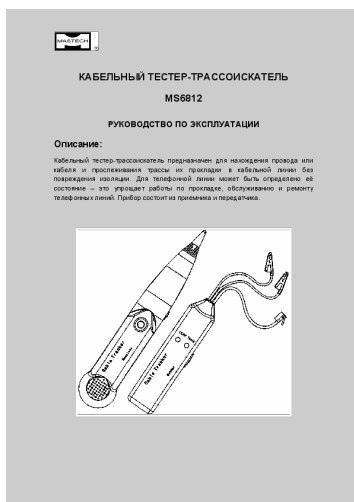


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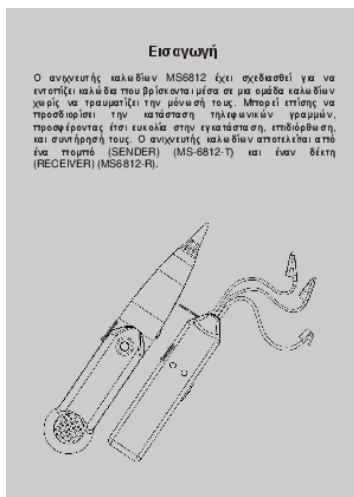


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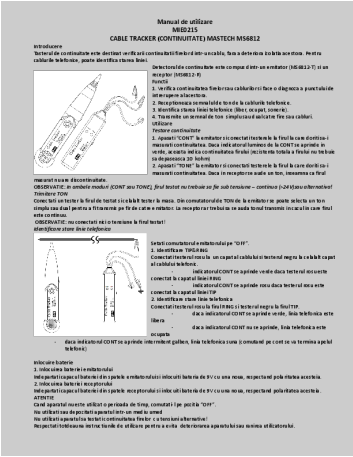


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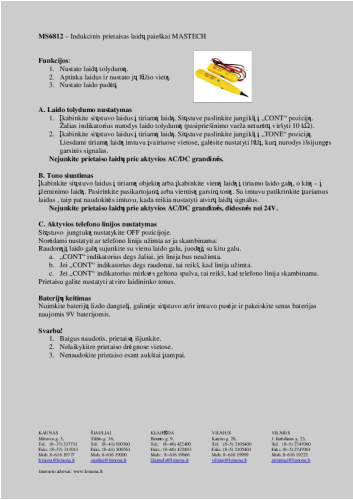
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Manual de utilizare MIE0215 CABLE TRACKER CONTINUITATE MASTECH **MS6812**

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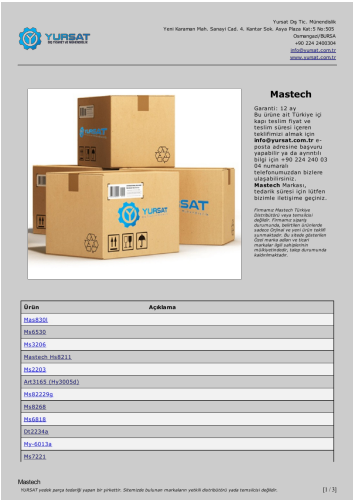
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[\[pdf\]](#) Datasheet

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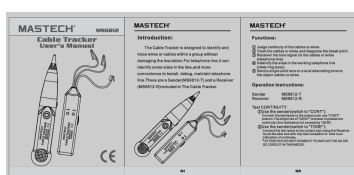
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Measuring Instruments Atel Electronics Humidity temperature carbon dioxide data battery a probe and
 user manual Professional handheld easy to use pyrometer for atel electronics eu katalogi katalog

MEASURING INSTRUMENTS CATALOGS 06155 Net Price 312 00 EUR Unit pcs FLUKE 117 Digital
 Multimeter True RMS automatic range selection voltage detector is measuring device enabling
 measurement of |||

Measuring Instruments Air quality meters #03077 Net Price: 102,00 EUR Unit: pcs
 #03076 Net Price: ... UR Unit: pcs #04065 Net Price: 32,40 EUR Unit: pcs #04066 Net
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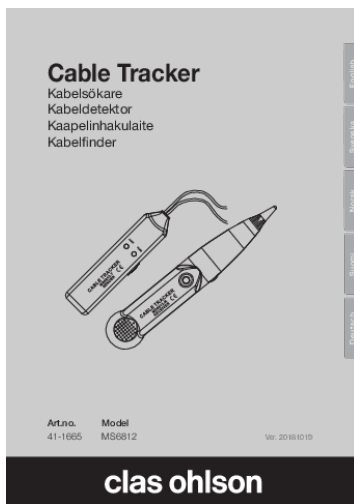


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Digital multimeters MS8236 021 - 47 62 70 10 : 021 - 43 85 96 10 : 051-37138205-6 :
 051- ... ckage size : 26 x 17.5 x 8.7cm Package included : 1 x MASTECH MS8236
 Digital Multimeter 1 x MASTECH **MS6812** Tester 1 x Set of test leads 1 x Carry bag 1
 x Network cable 1 x User manual 1 x 9V 6F22 batt...

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English Cable Tracker Kabelskare Kabeldetektor Kaapelinhakulaite Kabelfinder
Svenska Norsk Suomi Deutsch Art.no. 41-1665 Model **MS6812** Ver. 20181019 2

English Mastech MS 6812 Cable Tracker Art.no 41-1665 Model **MS6812** Please read the entire instruction manual before using the product and ...

lang:en score:18 filesize: 1.16 M page count: 40 document date: 2018-10-19



Прайс-лист Viva-Telecom: Кабелеискатели и трассоискатели

Полный прайс-лист от Viva-Telecom, включающий кабелеискатели, трассоискатели и кабельные тестеры от брендов Fluke, Mastech, Radio-Service и Techno-AS, с подробными характеристиками и ценами.

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TDR5003 TDR10003 MEGGER Micronix cz hodin provozu 290 x 190 55 mm hmotnost 1 7 kg krytí IP54

REFLEKTOMETR TDR500 3 TDR1000 TDR2000 3P 5647 4848 srsItd

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Measuring Instruments atel pl katalogi katalog Atel 06155 Net Price 307 00 EUR Unit pcs FLUKE 117 Digital Multimeter True RMS automatic range selection voltage detector is a measuring device enabling measurement of |||

Measuring Instruments Air quality meters #03077 Net Price: 108,00 EUR Unit: pcs #03076 Net Price: ... 8x LED, 1x Sync LED Control: thumbwheel switch, volume control wheel Auto power down: yes Mastech **MS6812** - Signal probe, link tester The wire pair finder is designed to identify and search wires wit...

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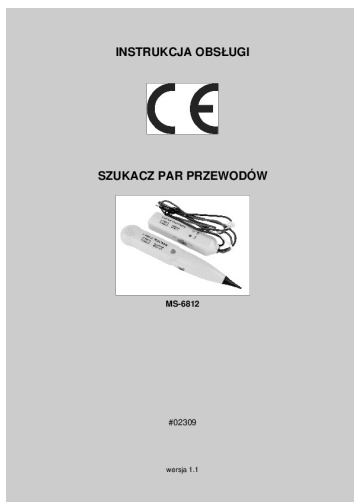


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Atel Electronics Instrukcja obsługi Szukacz par przewodów sonda indukcyjna Mastech MS6812 02309i v 1
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INSTRUKCJA OBSŁUGI SZUKACZ PAR PRZEWODÓW MS-6812 #02309 wersja 1.1
 1. Wstęp Szukacz par przewodów jest przeznaczony do identyfikowania i wyszukiwania przewodów bez naruszania ich izolacji. Dla linii telefonicznych może dodatkowo wskazywać stan linii i ułatwiać rozwiązywanie problemów instalacyjnych i konse...
 lang:pl score:13 filesize: 388.4 K page_count: 4 document date: 2012-01-03



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Measuring Instruments atel electronics eu katalogi |||

Measuring Instruments Air quality meters #03077 Net Price: 103,00 EUR Unit: pcs
 #03076 Net Price: ... switch, volume control wheel Auto power down: yes #06384 Net Price: 1 070,00 EUR Unit: pcs Mastech **MS6812** - Signal probe, link tester The wire pair finder is designed to identify and search wires wit...
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 lang:i-klngon score:11 filesize: 11.83 M page_count: 35 document date: 2017-04-24

MASTECH®

Auto Ranging Digital Multimeter With Cable Track Tester

Model:MS-8236



Features:

Conformance to IEC 61010-1 CAT3 600V

Display is 1999 counts

Diode check & continuity check

Auto range and manual range

Data hold & max value measurement

Phone check, identify the state in the working telephone line busy, ringing or clear

Tone, judge continuity of the cables or wires

Track the cables or wires, and diagnose the break point

Not cable check, test for open circuits, shorts, miswires, reversals, split pairs and LCD display the test results

Shield detection tests a cable's shield integrity

Main unit and one remote allow one person testing of T568A, T568B, and 10Base-T

Easy to read fault display and high speed testing

Timing mode for shielded fault identification results

Low Battery indication

Auto power off & back light

Noise contact voltage detect

Safe and professional

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