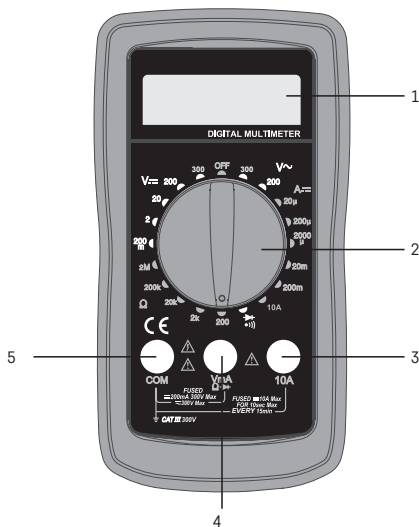


M0391 | MD-210

GB	Digital Multimeter
CZ	Digitální multimetr
SK	Digitálny multimeter
PL	Multimetr cyfrowy
HU	Digitális multiméter
SI	Digitalni multimeter
RS HR BA ME	Digitalni multimetar
DE	Digitales Multimeter
UA	Цифровий мультиметр
RO MD	Multimetru digital
LT	Skaitmeninis multimetras
LV	Digitālais multimetrs
EE	Digitaalne multimeeter
BG	Цифров мултиметър



www.emos.eu



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GB | Digital Multimeter

Before you begin using multimeter MD-210, read this instruction manual thoroughly. It contains particularly important passages concerning occupational safety principles when using the device. Such passages are highlighted. Reading the manual will prevent potential injury by electric current or damage to the device.

The multimeter was designed in accordance with the IEC-61010 standard regarding electronic measuring devices in the category (CAT III 300 V), for 2nd pollution degree.

Category CAT III is designed for measuring circuits powered by a fixed output power supply, such as relays, sockets, switchboards, power supplies, short branching circuits and lighting systems in large buildings.

alternating current (AC)

direct current (DC)

direct and alternating current (AC/DC)

earthing

double insulation

low battery

diode

fuse

warning

risk of injury by electric current

product complies with applicable EU standards

This symbol means: warning, risk of danger. Read the manual in all cases where this symbol is used!


This symbol indicates risk of injury by electric current.

ATTENTION

Comply with the following instructions in particular:

- Make sure the device is not damaged before you begin using the multimeter. If you find obvious signs of damage on the body of the device, do not make any measurements! Check that the surface of the multimeter does not have scratches and that the side joints are not coming apart.
- Do not measure voltage higher than 300 V, or current higher than 10 A!
- The COM terminal must always be connected to reference ground.
- Also check the measuring tips. Insulation on the measuring probes should have no visible signs of damage. Damaged insulation may result in injury by electric current. Therefore, do not use damaged measuring probes.
- If you find that the multimeter is making abnormal measurements, stop using it. These may be caused by a disrupted fuse. If you are

unsure of the cause of the defect, contact a service centre.

- Do not use or store the multimeter in environments with high temperature, dust or humidity. It is also not recommended to use the device in environments with potentially strong magnetic fields or risk of explosion or fire.
- Do not measure voltages and currents higher than indicated on the front panel of the multimeter. Risk of injury by electric current or damage to the multimeter!
- Check that the multimeter is working properly before use. Test on a circuit with known electrical values.
- Before you connect the multimeter to a circuit you intend to measure, turn off the power to the circuit.
- If you need to replace a component of the multimeter (e.g. battery, fuse), always use spare parts of the same type and specifications. Change parts only when the multimeter is disconnected and turned off.
- Do not alter or otherwise interfere with the internal circuitry of the multimeter!
- Be extra careful when measuring voltages higher than 30 V AC rms, 42 V peak or 60 V DC. Risk of injury by electric current!
- When using measuring tips, make sure you are holding them behind the finger barriers.
- Disconnect the measuring tips from the tested circuit before opening the casing of the multimeter.
- Do not perform measurements if the multimeter's casing is removed or loose.
- Change the battery once the low battery warning indicator  appears on the screen. Otherwise, subsequent measurements may be inaccurate. Incorrect measurements may then result in injuries by electric current!

ATTENTION

Use multimeter MD-210 only in the manner specified below. Otherwise, the device could get damaged or the user may suffer injury. Comply with the following instructions:

Before measuring resistance, diodes or current, disconnect the circuits from the power supply and discharge the high-voltage capacitors.

Before measuring, make sure the circular switch for measuring range is in the correct position. Under no circumstances should you make any changes to the measuring range (by moving the circular switch for measuring programs) while measuring. Doing so could damage the device.

If you intend to measure current, check the multimeter's fuse and turn off the power supply to the circuit before you connect the multimeter.

When you are measuring, first connect the black conductor (probe) and then the red conductor (probe). When disconnecting the testing conductors, disconnect the red one first.

Maintenance Instructions

Attention

Do not attempt to repair or modify the multimeter in any way if you are not qualified for the task or do not have access to the necessary calibration equipment. To prevent injury by electric current, make sure that water does not enter the inside of the multimeter!

- Disconnect the measuring tips from the tested circuit before opening the casing of the multimeter.
- Regularly clean the body of the multimeter with a moist cloth and a mild detergent. Perform cleaning only when the multimeter is disconnected and turned off.
- Do not use solvents or abrasive agents for cleaning!
- If you are not using the multimeter for an extended period of time, turn it off and remove the batteries.
- Do not store the multimeter in places with high humidity and temperature or in places with a strong magnetic field!

Device Description

Multimeter MD-210 is a compact device with a 3.5 digit display. It is designed for measuring direct and alternating voltage, direct and alternating current, resistance, temperature, test diodes and perform audio testing of conductivity and of circuits. The multimeter provides protection against overload and informs the user when the battery is low. It is ideal for use in e.g. workshops, laboratories and households.

Front View of the Multimeter

- 1 – Screen – displays 3.5 digits i.e. a maximum value of 1999
- 2 – Function and range switch – allows selecting functions and the desired range as well as turning the multimeter on or off. If you are not using the multimeter, turn it off. The battery will then last you longer.
- 3 – 10 A socket – used for connecting the plug of the red (positive) tipped measuring conductor to measure currents in 10 A DC current range.
- 4 – V_{mA} socket – used for connecting the plug of the red (positive) tipped measuring conductor to measure voltage, resistance or current to up to 200 mA.
- 5 – COM socket – used for connecting the plug of the red (positive) tipped measuring conductor.

Obsah je uzamčen

Dokončete, prosím, proces objednávky.

Následně budete mít přístup k celému dokumentu.



Proč je dokument uzamčen? Nahněvat Vás rozhodně nechceme. Jsou k tomu dva hlavní důvody:

- 1) Vytvořit a udržovat obsáhlou databázi návodů stojí nejen spoustu úsilí a času, ale i finanční prostředky. Dělali byste to Vy zadarmo? Ne*. Zakoupením této služby obdržíte úplný návod a podpoříte provoz a rozvoj našich stránek. Třeba se Vám to bude ještě někdy hodit.

**) Možná zpočátku ano. Ale vězte, že dotovat to dlouhodobě nelze. A rozhodně na tom nezbohatneme.*

- 2) Pak jsou tady „roboti“, kteří se přiživují na naší práci a „vysávají“ výsledky našeho úsilí pro svůj prospěch. Tímto krokem se jim to snažíme překazit.

A pokud nemáte zájem, respektujeme to. Urgujte svého prodejce. A když neuspějete, rádi Vás uvidíme!