



## Multi-Sensor / Stud Detector

### User-Guide

#### CUSTOMER SERVICE



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GT-MM-10, E46106, 09/13

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If the device is not used in accordance with these operating instructions, the envisaged protection can be impaired. Please keep these instructions and pass them on to other users.

## Technical data

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Model:	GT-MM-10
Battery size:	9 V  Block / 6F22/6LR61
Power input:	9 V  / 15 mA
Input voltage:	9V 




Ambient temperatures: 0° - 40° C

Because our products are constantly being further developed and improved, design modifications and technical changes are possible.

## Scope of delivery

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- Multi-Sensor
- 9 V  block battery size 6F22/6LR61
- Operating instructions



# Safety



Please read carefully through the following information and keep these instructions, in case you need to refer to them later. If you pass the product on to someone else, please also include these instructions.

## **WARNING!**

- When using battery-operated devices, basic safety measures must be observed to protect from fire hazards and personal injury and damage to property, including the following guidelines.

## **Keep the working area tidy!**

- Disorder in the work area leads to accident hazards.

## **Take environmental influences into consideration**

- Do not expose the device to rain. Do not use the device in a damp or wet environment.
- This device is not intended for use by persons (including children) with limited physical, sensory or mental abilities or lacking experience and/or knowledge, unless they are supervised by a person responsible for their safety or have received instructions for use of the device from this person in advance.
- Supervise children and animals in order to ensure that they do not play with the appliance.

## **Warning!**

- Only use the measuring device for work that corresponds to the intended use, as described in the instructions.

## **Check your device for damage**

- Check the device for damage prior to starting work. Ensure that the device will function properly. Do not use the device if any part is defective.

## **Store your devices safely!**

- Unused devices and batteries must be stored in a dry place that is not accessible for children.

## **Repairs**

The device complies with the relevant safety regulations. Repairs shall only be carried out by authorised specialists and with original spare parts, otherwise the operator could be at risk of an accident, damage to the device or of voiding the warranty.



## Battery instructions

- Batteries must not be disposed of with household waste. Every consumer is legally obligated to dispose of batteries properly at the designated collection centres.
- Never recharge non-rechargeable batteries! Explosion hazard!
- Keep batteries away from children, do not throw into fire, short circuit or dismantle.
- If you suspect a battery to have been swallowed, seek immediate medical attention.
- Pay attention to correct polarity when inserting.
- Clean battery and device contacts prior to insertion, if required. Immediately remove depleted batteries from the device! Increased leakage hazard!
- Do not expose batteries to any extreme conditions, e.g. on radiators or direct sunlight! Increased leakage hazard!
- Failure to comply with this could result in batteries being discharged beyond their final charge voltage! Remove batteries immediately, in order to avoid damage.
- Avoid contact with skin, eyes and mucous membranes. When coming into contact with battery acid, immediately rinse the affected areas with plenty of clear water and immediately contact a physician.
- Remove the batteries from the device, if it is not in use for a longer period of time. If you suspect a battery has been swallowed, seek immediate medical assistance.

## Additional safety instructions for pipe and electricity cable detectors

- Do not use the tool for detecting voltage in non-insulated/exposed cables.
- Do not use the devices as a replacement for a voltmeter.
- Be aware that the device may possibly not always detect all pipes and cables correctly.
- The following conditions can cause imprecise results:
  - Weak battery
  - Thick walls with thin pipes or electricity cables
  - Very thick walls
  - Very deeply positioned electricity cables or pipes
  - Walls covered with metal
  - Very damp conditions
  - Shielded cable
  - Electrostatic charge
  - Always test the device prior to use by detecting a known pipe/known electricity cable.
  - In case of doubt, always ask a qualified builder.

### CAUTION:

**The Multi-Sensor is designed for private household use.  
It is unsuitable for use in workshops, jewellery shops, etc.**

## Description of parts



## Insert battery

You need a 9-volt block battery size 6 F 22 (included in the scope of delivery).

Insert battery:


1. Open the battery compartment on the bottom of the device, pull out the connector slightly and push the battery onto the connector with the correct polarity.
2. Insert the battery into the compartment and close the battery compartment lid again.



The battery status appears in the display when the battery needs to be replaced.

## Use

### Switching device on and off

- ▶ Press the ON/OFF  button to switch the device on and off.  
After 60 seconds without any entry, the device switches off automatically.



# Detecting hidden objects



## CAUTION

In order to avoid personal injury or property damage, please note the following:

- Beams/girders are built into brickwork at regular distances. Determine the distance of the beams/girders prior to working on brickwork.
- Irregularities in the distances indicate e.g. electric cables or water lines.
- Measurement errors can occur based on the surface condition.
- If you detect something, always check whether it is an electric cable.
- If the lightning symbol appears in the display, it is a conductive electric cable.
- Static charges can extend the coverage area of an electric cable by up to 30 cm.
- Do not carry out any work on brickwork in this area.
- Work is only permitted in the area of electric cables, once the power supply is disconnected at the consumer unit. If in doubt seek the advice of an electrician.
- The detected object can be wider or narrower than shown in the display, depending on the depth.
- Always mark the start and end of the object. The middle between both marks is then the middle of object.

The following objects (materials) can be detected with the device:

- Wood/beams (**STUD**), maximum detection depth 19mm
- Metal (**METAL**), maximum detection depth 30mm
- With the (**DEEP**) setting, particularly deeply positioned beams/wood and metal parts can be detected (max. detection depth 38 mm)
- Electric cables (**AC**), maximum detection depth 50mm

## Select mode

- ▶ Press the **MODE** button to select the required mode  
**STUD > METAL > DEEP > AC.**

## Calibrating device

The device must be calibrated to the characteristics of the body (wall, floor, ceiling):

- prior to the start of each search
- regularly during a search process (after every 60 seconds)






Calibration is required again after 60 seconds, in order to reduce the occurrence of measurement errors.

1. Hold device against the surface (selection location whether the object searched for is very unlikely to be).
2. Keep calibration press down and do not move the device, 3 short beeping tones confirm successful calibration.
3. Continue to keep key pressed and start search.

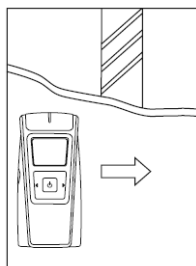
Note:

- The calibration button must remain pressed during the entire search process (calibration and search).
- If you calibrate too closely to the object or directly on the wood, the calibration can fail. If the calibration fails, the LC display shows the following symbol  and a long beeping tone sounds.

Please switch the device on again in order to start the calibration.

Move and hold the device several centimetres further to the right of left of the previous surface and recalibrate.

## Searching for/detecting the hidden object



The search/detection process is the same in all 4 modes and is clarified on the basis of the illustration.

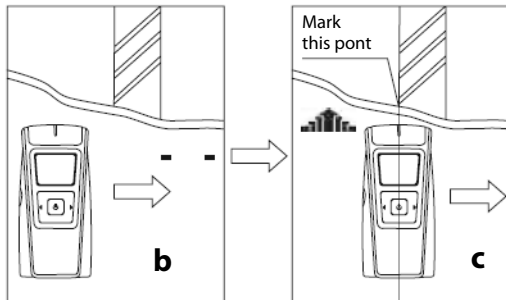
The found object must be crossed twice with the device each time. The crossing takes place in opposite directions.

After calibration, slide the device slowly and in a horizontal direction along the wall (see illustration). Do not lift or tip the device.



**a) Display shows only the mode or max. 1 bar = no object nearby.**

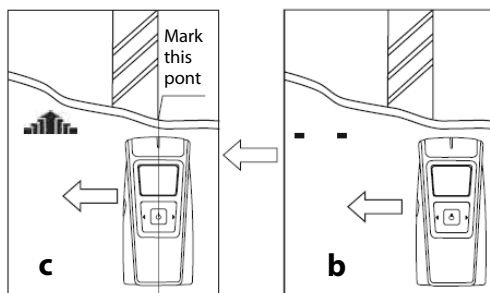
When you are approaching the sought object, at least 2 bars of the LC display are filled. With a full bar diagram, please make a mark at the point (see illustration).



**b) Increasing bar display – the device is nearing the object**

**c) Full bar display with constant beep tone = the device is at the beginning of the object**

Continue moving the device in the same direction until no bar or min. 1 bar appears in the display. Then, move the device in the opposite direction in order to mark the other edge of the object. Put the mark where the diagram is completely filled (see illustrations).



The object searched for is situated between both of the marks.

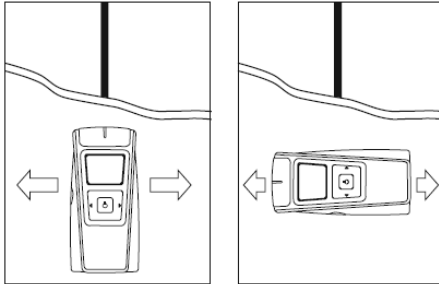


It can be helpful to repeat the object search with a 90° rotated search direction, in order to determine the expanse of the object searched for. Metal struts that run in parallel with the device can disrupt the sensor in the device.



The permanent display of only 1 bar does not mean that an object has been detected.

You can only be certain of having detected an object if the device is full of bars and a permanent beeping tone sounds.



If a lightning symbol is displayed in addition to the **AC** mode and the bar diagram, the found object is a **LIVE CONDUCTIVE ELECTRIC CABLE**.

If you know that the cables run along a specific position, but cannot find them using the device in **AC** mode, use the **METAL** mode. Electric cables can be shielded by metal coverings. Beams and conductive electric cables that run close to one another can prevent the distinct detection of the individual objects.

The device also measures hidden posts, slats and metal in walls up to a depth of 38 mm in **DEEP** mode. The existence of posts, slats and metal is identified. However, it cannot distinguish between wood and metal.

## Cleaning

The Multi-Sensor is maintenance-free.

- ▶ Clean the device with a dry or slightly damp cloth.

## Storage

- Store the device in a dry and frost-free place, out of reach for children.
- Remove the battery if you are not using the Multi-Sensor over a longer period of time.

## Conformity declaration

The conformity of the product with the legally prescribed standards is guaranteed. You can find the full conformity declaration on the Internet at [www.gt-support.de](http://www.gt-support.de).

## Recycling



Dispose of the packaging by separating the different materials. Check with your local waste elimination company with regard to the required measures for scrapping if the appliance is no longer required. The device may not be disposed of through the household refuse.



Batteries and rechargeable batteries are not permitted to be disposed of with household waste. Every consumer is legally obligated to submit batteries and rechargeable batteries to the collection centre of his local municipality, district or to retailers. All batteries and rechargeable batteries can thereby disposed of in an environmentally friendly manner.

Cd  
Hg  
Pb

Batteries and rechargeable batteries containing toxins are identified with this symbol and with chemical symbols (Cd for cadmium, Hg for mercury, Pb for lead).

## Warranty

Model: Multi-Sensor GT-MM-10

The appliance has been manufactured with the greatest care.

The warranty period is three years from the date of purchase.

Please retain the sales receipt as proof of purchase as without it the warranty claim cannot be processed. During the warranty period, the sales receipt and the completed warranty card with a description of the fault must be returned once you have contacted the service centre by phone. A new appliance will be returned. This warranty is in addition to your statutory rights. Your statutory rights are not affected. This warranty does not apply in cases of damage caused by accident, improper use, abuse and force majeure. This warranty will be invalidated if the appliance is tampered with in any way whatsoever.

For warranty claims, please first contact us by telephoning the service centre free phone number or email:

Dario London Service Centre  
PO BOX 1125  
Bromley  
BR1 9TW  
UK  
Hotline - UK: 0800 / 328 6020  
Hotline - Ireland: 00800 / 4467 5888  
Mail: [info@globaltronicssupport.com](mailto:info@globaltronicssupport.com)

If the appliance has to be returned to us, it must be packed correctly as we cannot accept any responsibility for damage caused in transit.






# Multi-Sensor

Your details:

Name \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

 \_\_\_\_\_ E-Mail \_\_\_\_\_

Date of purchase\* \_\_\_\_\_

\*We recommend you keep the receipt with this warranty card

Location of purchase \_\_\_\_\_

Description of malfunction:

Please send your completed  
Warranty Card to:

Dario London Service Centre  
PO BOX 1125  
Bromley  
BR1 9TW  
UK

Hotline - UK: 0800 / 328 6020  
Hotline - Ireland: 00800 / 4467 5888  
Mail: info@globaltronicssupport.com

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