



Regularly check the technical safety of the device and the measuring lines, e.g. for damage of the housing or crushing, etc.



Never operate the device when it is open.

RISK OF FATAL INJURY!

Never exceed the maximum admissible input values. Never touch circuits or parts of circuits with voltages greater than 50 V/ACrms or 75 V/DC! Life threatening!

Unpacking

Check all the parts for completeness and damage after unpacking.



Damaged parts must not be used for safety reasons. In case of any damage contact our customer service.

Package Contents

- Digital Table Multimeter
- Cable with earthing contact
- Safety measuring cables
- USB remote control cable GTL-247
- CD with driver, software and extensive operating instructions (GB)
- Calibration key GDM-01 (USB)
- Quick guide

Setting up the Device

Set up the device, using the handle or the device's pedestal, so it can be operated and read comfortably.

Avoid direct sunlight over a longer period since this could damage the screen.



In order to comply with the technical tolerance data, the device has to be operating for about 60 minutes within the given operating temperature range.

Ensure sufficient ventilation of the device. Do not cover or seal the ventilation apertures of the device.

Getting Started

Connect the mains cable provided to the mains connector, at the back of the device, and connect the safety plug to an earthed mains socket.

Switch on the device using the power switch (POWER I/O). The table multimeter is activated when the switch is in the depressed position.

The device shows a start screen and is ready for operation after a short initialisation phase.

Connect the corresponding measuring cables to the measurement input sockets "INPUT V" and "COM".

The red connector "V" corresponds with the positive pole for the voltage and resistance measurement; the black connector "COM" is the negative pole.

Use the red connector "A" and the black connector for current measurements.

Select the corresponding measuring function and connect the measuring probes to the measuring circuit.



For safety reasons, the specified max. measurement voltage of 500 V to earth potential and the max. current must not be exceeded.

Remove the measuring cable from the object being measured after finishing the measurement and turn off the appliance.

Installation of the Measurement Software

Before you connect the table multimeter to a computer, install the measurement program.

Switch on the computer and start the operating system.

Insert the provided software CD into the CD drive and close it. The automatic start mode will automatically start the installation of the measurement program.

If this does not happen automatically, start the program "setup.exe" by double-clicking on the drive holding the CD-ROM in the Explorer of your operating system. The software installation will start.

Please follow the on-screen instructions.

A new folder is created in the start menu's program manager.



Leave the CD in the drive for device installation.

Connection and installation of the table multimeter

The RS232 or USB interface to control the table multimeter must first be selected from the set-up menu. This process is described in detail in the English operating instructions.

Connect the provided USB connection cable to a free USB port on your computer and then with the USB connection on the back of the table multimeter.

The operating system recognises the new hardware and starts the "Hardware Wizard". The system automatically searches for the suitable drivers and installs them. You should now be able to use the device.

If the message "The driver software was not installed" appears, the driver has to be installed separately, as it has not been recognised by the Windows system.

For Windows 7 proceed as follows:

- Click on "Start" → "Control Panel" → "Device Manager".
- In the device manager there is an exclamation mark highlighted in yellow for "Other Devices" with the text "Unknown Device".
- Double click on "Unknown Device".
- Now install the driver for this device by clicking on the option "Update driver".
- In the window that opens, select "→ Search for driver software on the computer".
- Now enter the path of your CD/DVD drive (for example: "D:\") and check "Include subfolders", then click on "Continue".
- Should a window with "Windows Security" appear with the following text: "The publisher of the driver software could not be verified", confirm the installation by clicking on "→ Install this driver software anyway".
- The driver should now be recognised correctly and you can use the software for the table multimeter.

If that is not the case, please contact our technical hotline. You will find the telephone number on the imprint.

For Windows XP/Vista

For the driver installation select the path of your CD/DVD drive and install the driver from the sub-directory "Driver" on the enclosed CD.

Cleaning

Always observe the following safety instructions before cleaning the device:



If you open covers or remove parts – unless you can do this by hand – live parts may be exposed.

Prior to cleaning or repairing the device, all lines must be detached and the device must be turned off.

Do not use scouring, chemical or aggressive cleaning agents such as benzene, alcohol or similar chemicals. These might attack the surface of the device. Furthermore, the fumes are hazardous to your health and are explosive.



Do not use any sharp tools, screwdrivers, metal brushes or similar objects for cleaning. Do not press too hard on the display screen; this not only leads to scratches but can also destroy the display. The warranty will be void!

For cleaning the device or the display and the measuring cables, use a clean, slightly damp, lint-free, antistatic cloth.



Should you have any questions concerning the handling of the device, please do not hesitate to contact our Technical Support:

Conrad Electronic SE, Klaus-Conrad-Str. 2, 92530 Wernberg
Tel. +49 180 / 531 211 6

Disposal



Electrical and electronic devices do not constitute household waste. Dispose of an unserviceable product in accordance with the relevant statutory regulations.

You thereby fulfil your statutory obligations and contribute to the protection of the environment!



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