

## Wall Power Supply

### Operating Manual

# GNG 10 GNG 10 / 3000 GNG 5 / 5000



Made in  
Germany

WEEE-Reg.-Nr. DE93889386

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## 1 General Advice

Read through this document attentively and make yourself familiar to the operation of the device before you use it. Keep this document in a ready-to-hand way in order to be able to look up in the case of doubt.

In case of damage or consequential damage caused by failure to observe the operating manual or safety instructions or by improper handling the manufacturer accepts no liability.

The warranty/guarantee will then expire!

## 2 Safety

### 2.1 Intended Use

This device is only designed to supply a handheld measuring instrument with an operating voltage and a maximum operating current shown in the table below.

The measuring instrument can be connected using the fixed cable with matching connector.

|                                 | GNG 10                | GNG 10 / 3000     | GNG 5 / 5000      |
|---------------------------------|-----------------------|-------------------|-------------------|
| Operating voltage               | 10.5 V DC             | 10.5 V DC         | 5 V DC            |
| Max. operating current          | 10 mA                 | 10 mA             | 30 mA             |
| Measuring instrument connection | 2.5 mm jack connector | Power supply plug | Bayonet connector |

The product is designed for connection to a standard mains socket with a voltage of 220/240 V AC (50/60 Hz).

The safety instructions of these operating manual must be followed (see below). The device may be used only under the conditions and for the uses for which it was designed. The device must be treated carefully and used according to the technical data (do not throw, hit, etc.).

Unauthorized conversion and/or modification of the device are inadmissible because of safety reasons. Any usage other than described above is not permitted and can damage the product and lead to associated risks such as short-circuit, fire, electric shock, etc.

### 2.2 Safety signs and symbols

Warnings are labelled in this document with the followings signs:



**Caution!** This symbol warns of imminent danger, death, serious injuries and significant damage to property at non-observance.



**Attention!** This symbol warns of possible dangers or dangerous situations which can provoke damage to the device or environment at non-observance.



**Note!** This symbol point out processes which can indirectly influence operation, possibly cause incorrect measurement or provoke unforeseen reactions at non-observance.

### 3 Safety Instructions

The trouble-free operation and reliability of the device cannot be guaranteed unless the standard safety measures and special safety advises given in this manual will be adhered to when using it.

1.  Trouble-free operation and reliability of the device can only be guaranteed if it is not subjected to any other climatic conditions than those stated under "Technical Data". Transporting the device from a cold to a warm environment condensation may result in a failure of the function or even destroy the device. Because of this make sure that the device temperature has adjusted to the ambient temperature before trying a new start-up
2.  **DANGER** Whenever there may be a risk whatsoever involved in running it, the device has to be switched off immediately and to be marked accordingly to avoid re-starting. Operator safety may be a risk if
  - there is visible damage to the device.
  - the device is not working as specified.
  - the device has been stored under unsuitable conditions for a longer time.In case of doubt, please return device to manufacturer for repair or maintenance.
3.  **DANGER** Do not use this product as safety or emergency stop device or in any other application where failure of the product could result in personal injury or material damage. Failure to comply with these instructions could result in death or serious injury and material damage.
4.  **DANGER** Take care not to damage or destroy the housing or the insulation. Do not use the device if the housing or insulation is damaged.
5.  **DANGER** This device must not be used at potentially explosive areas! The usage of this device at potentially explosive areas increases danger of deflagration, explosion or fire due to sparking.
6.  **DANGER** This device is not constructed for use in medical applications.
7.  **DANGER** Do not open the case! For repair or maintenance purposes, please send the device back to the manufacturer.
8.  **ATTENTION** When used in conjunction with other devices, observe the operating instructions and safety notices of connected devices.
9.  **ATTENTION** Unplug the device if it is not in use or for cleaning purposes. Use a dry cloth to clean the case
10.  **DANGER** The surface of the casing will heat up intensely during prolonged operation at a rated load. Danger of burns! Never operate the device when partially or fully covered. This will avoid damages due to overheating.

## 4 Operation

1. Before you connect a consumer, make sure that its operating voltage is equal with the output voltage of the power supply and the maximum operating current is not greater than the specified output current of the power supply  
If this is ignored the power supply or the connected consumer may be damaged.
2. Connect the power supply to a standard mains socket. (220/240V AC, 50/60Hz).
3. Connect the measuring device power plug to the consumer load and switch the consumer on.
4. Unplug the power supply if it is not in use.

## 5 Reshipment and disposal

### 5.1 Reshipment



All devices returned to the manufacturer have to be free of any residual of measuring media and other hazardous substances.

Measuring residuals at housing or sensor may be a risk for persons or environment



Use an adequate transport package for reshipment, especially for fully functional devices.  
Please make sure that the device is protected in the package by enough packing materials

### 5.2 Disposal



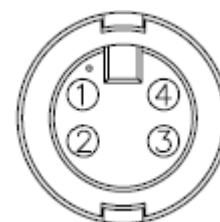
The device must not be disposed in the unsorted municipal waste!

Send the device directly to us (sufficiently stamped), considering the above if it should be disposed. We will dispose the device appropriate and environmentally sound.

Private user can return the device at the municipal collection points for small electrical appliances.

## 6 Technical Data

|                                               | <b>GNG 10</b>                                   | <b>GNG 10 / 3000</b>                                                     | <b>GNG 5 / 5000</b>                                                             |
|-----------------------------------------------|-------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| <b>Operating voltage:</b>                     | 220 / 240 V AC, 50 / 60 Hz                      |                                                                          |                                                                                 |
| <b>Output voltage:</b>                        | 10.5 V DC                                       | 10.5 V DC                                                                | 5 V DC                                                                          |
| <b>Output current:</b>                        | max. 10 mA                                      | max. 10 mA                                                               | max. 30 mA                                                                      |
| <b>Operating conditions:</b>                  | -20 ... +50 °C, 5 % ... 90 %RH (non-condensing) |                                                                          |                                                                                 |
| <b>Dimensions (WxHxD):</b><br>(without cable) | 39 x 39 x 70 mm                                 |                                                                          |                                                                                 |
| <b>Cable lenght:</b>                          | approx. 2 m                                     | approx. 1.5 m                                                            | approx. 1 m                                                                     |
| <b>Weight: (with cable)</b>                   | approx. 90 g                                    | approx. 90 g                                                             | approx. 100 g                                                                   |
| <b>Connection:</b>                            | Klinkenstecker<br>(2.5 mm)                      | Power supply plug<br>(outer diameter: 5.0 mm,<br>inner diameter: 1.9 mm) | bayonet connector<br>(for connection to instrument of<br>the GMH 5xxx – series) |
|                                               | Polarity:<br>+ front end<br>– posterior part    | Polarity: + inner<br>– outer                                             |                                                                                 |



Viewing to socket contact

1 : not connected

2: not connected

3: GND

4: power supply 5V

### Directives / standards

The instruments confirm to following European Directives:

2014/30/EU

EMC Directive

2014/35/EU

Low Voltage Directive

2011/65/EU

RoHS

Applied harmonized standards:

EN 61326-1 : 2013

emissions level: class B

emi immunity according to table 1

additional fault: <1%

EN 61010-1 : 2010 + Corr.: 2011

EN 50581 : 2012