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## Operating instructions



The unit complies with the corresponding EU guidelines.



Fig. 1: Power supply unit 12 V DC/2.5 A in accordance with EN 61558-2-16, DC socket 2.1 mm, SK-II, 11262-99

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## 1 SAEFTY PRECAUTIONS



### Attention!

- Carefully read these operating instructions completely before operating this instrument. This is necessary to avoid damage to it, as well as for user-safety.
- Check that your mains supply voltage corresponds to that given on the type plate fixed to the instrument.
- Install the instrument so that the on/off switch and the mains connecting plug are easily accessible. Do not cover the ventilation slits.
- Take care that no liquids or objects enter in through the ventilation slots.
- Only use the instrument in dry rooms in which there is no risk of explosion.
- Only use the instrument for the purpose for which it was designed.
- Protect the instrument from dust, moisture and vapours. Only clean it in voltage-free state with a slightly moistened, lint-free cloth. Aggressive cleaning agents and solvents are unsuitable.
- Do not operate if there are visible signs of damage to the unit, the connection cord or the measuring lines.
- Do not open the unit.
- Do not connect any devices to the unit other than the ones that are intended for this purpose.

## 2 PURPOSE AND DESCRIPTION

The universal power supply unit is suitable for worldwide use. Combination with the Ripple Tank with LED light source (11260-88) and ADM3 (13840-00) is recommended.

The power supply unit is short-circuit-proof with voltage control and current limitation. It is approved for medical applications (standard IEC/EN 60601-01).

## 3 EXPLANATION OF THE SYMBOLS



Safety isolating transformer, short-circuit-proof due to special safety measures



GS mark for tested safety. The criteria for issuing this mark are specified in the German Equipment and Product Safety Act (Geräte- und Produktsicherheitsgesetz, GPSG).



This high-quality instrument fulfils all of the technical requirements that are compiled in current EC guidelines. The characteristics of this product qualify it for the CE mark.



The safety isolating transformer and safe isolation in accordance with DIN EN 61558-2-16 ensure that the regulations for safety at schools (Richtlinien für Sicherheit im Unterricht (RiSU)) in line with the recommendation of the Standing Conference of the Ministers of Education and Cultural Affairs of the Länder in the Federal Republic of Germany of 26 February 2016 are fulfilled.

## 4 NOTES ON OPERATION

This instrument is only to be put into operation under specialist supervision in a controlled electromagnetic environment in research, educational and training facilities (schools, universities, institutes and laboratories).

This means that in such an environment, no mobile phones etc. are to be used in the immediate vicinity. The individual connecting leads are each not to be longer than 2 m.

The instrument can be so influenced by electrostatic charges and other electromagnetic phenomena that it no longer functions within the given technical specifications. The following measures reduce or do away with disturbances:

Avoid fitted carpets; ensure potential equalization; carry out experiments on a conductive, earthed surface, use screened cables, do not operate high-frequency emitters (radios, mobile phones) in the immediate vicinity.

Please ensure that the polarity of the power supply unit matches the polarity of the device that is to be connected ("+" at the middle connection). Disconnect all of the cable connections after use.

## 5 TECHNICAL DATA

(typical for 25 °C)

Operating temperature range

5...40 °C

Relative humidity

< 80%

Input voltage range:

100...240 V~

Mains frequency:

50...60 Hz

Output voltage:

12 V

Output current:

2.5 A

DC socket:

2.1 mm

Housing dimensions (mm)

47 x 102 x 39

Weight:

280g

Producer:

GlobTek

Type:

RR9KE2500CRPCRVB3036

Series:

GTM91120-3014.5-2.5-T2 Rev A1



## 6 WASTE DISPOSAL

The packaging mainly consists of environmentally-friendly materials that should be returned to the local recycling stations.



Do not dispose of this product with normal household waste. If this unit needs to be disposed of, please return it to the address that is stated below for proper disposal.

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