



# PORTABLE HEATER

## TECHNICAL CERTIFICATE

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### **OKB GAMMA, LLC** (part of SST Group)

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## 1. APPLICATION

The Portable heater (hereafter referred to as the heater) is a portable heating carpet designed to create a comfort microclimate at low temperature conditions. The heater has the form of an ultrathin heater which operates from an external 5 V DC battery with 2 A current capacity, or it can be connected to a power network via an adapter or power supply unit with 5 V DC, 2 A output.

## 2. DESCRIPTION

### 2.1. Technical data

Parameter	Value
Dimensions, mm	320×260
USB power supply cable, not less than, mm	800
Rated supply voltage, V DC	5
Rater heat output, W	8,5
Electric shock protection class by GOST IEC 60335-1-2015	3
Ingress protection rating by GOST 14254-2015	IP X4
Weight, gr	150
Operating time, h*	5

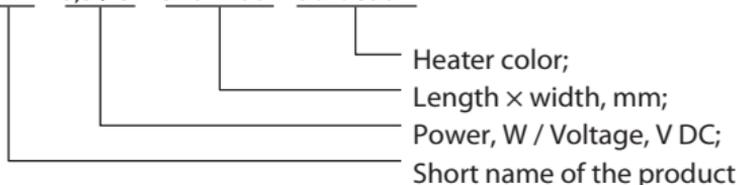
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\* when powered from a battery with 22000 mAh capacity

## 2.2. Heater type

Portable heater

ALH – 8,5 / 5 – 320×260 – bordeaux

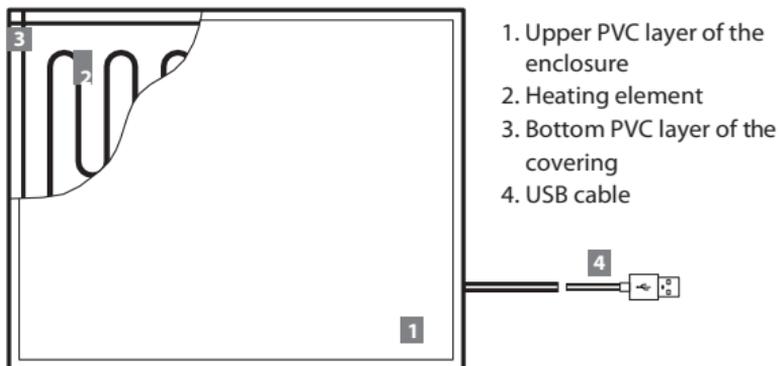


## 3. HEATER DESIGN

The heater is a portable heating device based on a heating element placed in a PVC covering and equipped with a USB power supply cable for the device power connection (see figure below).

The heating element is placed in a cover of waterproof fabric stitched along the outer edges.

The very low supply voltage ensures electrical safety of the heater.



## 4. OPERATING CONDITIONS

1. Operation of the heaters is allowed at ambient temperature up to minus 40 °C.
2. The heater is only to be operated for the designed intended use.
3. It is required to regularly inspect the heater to detect possible wear or damage. If such defects are detected, the heater is to be disposed according to local laws and regulations.
4. The heater is powered from a portable battery with 5 V DC, 2 A output, or it can be connected to a power network via an adapter or power supply unit ensuring 5 V DC, 2 A output.
5. The unit can be cleaned by a wet sponge.
6. The USB power cord cannot be replaced. In the case of its damage, the device must be disposed according to local laws and regulations.
7. While operation and storage of the product, it is prohibited to:
  - store the heater crumpled except of the conditions provided by the unit package;
  - immerse the heater in any liquid during storage or operation;
  - store and operate the heater near flammable substances or liquids and gases which can damage the device materials;
  - place flammable materials on the heater surface;
  - store and operate the heater near sharp objects;
  - stick pins in the heater;
  - operate the heater having any damage, including that of the installation wire;
  - roll the heater for storage before its complete cooling;
  - use the heater not for its intended purpose;

- use the heater for medical purposes in hospitals;
- give the unit to children under three years of age;
- use the heater by persons insensible to heat and by other hypersensitive people who cannot react to overheating;
- use the heater by persons (including children) with limited physical, sensory or mental abilities or having insufficient life experience or knowledge, not under supervision or lack proper instruction by a person responsible for their safety;
- launder the heater except of cleaning methods indicated in the Technical Certificate;
- repair faulty or damaged heater and make any change in its design;
- apply significant mechanical and impact force to the heater and its elements;
- use the heater being while folded, rolled or twisted;
- store the heater connected to a power supply;
- use a power source not in accordance with the requirements of these operating conditions.

## 5. DELIVERY KIT

- heater – 1 pc,
- Technical Certificate – 1 pc,
- package – 1 pc.

## 6. SPECIAL SYMBOLS

Symbols indicated in the unit sticker:

Symbol	Meaning
	«Don't launder»
	«Read and understand the manual»
	«Don't stick pins»
	«Don't give to little children (0 to 3 years)»
	«Don't use folded or bent»
	«Class III device»

## **7. WARRANTY**

The manufacturer guarantees normal operation of the heater under the operation guidelines.

### **The warranty period is 12 months from the date of sale**

During the warranty period, the buyer has the right for replacement of the heater when detecting failures occurred through the manufacturer's fault and if recommendations for operation are followed.

The warranty is provided subject to proven date of the sale, and the bilateral "Act of discovered defects" signed by the representatives of the manufacturer (his authorized dealers) and the customer.

## **8. ACCEPTANCE CERTIFICATE**

The portable heater

**APH - 8,5/5 - 320×260 -**

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the ref. type mark

is fabricated and tested according to Technical Specifications TU  
27.51.24-027- 39803459-2018.

**The documents contains important instructions.**

**Save it for Later.**

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