

# OPERATION MANUAL

## BesQual S600 | Fire-Free Burner



### Caution in use

**CAUTION:** Failure to follow these safeguards may result in fire or electric shock.

1. Do not touch with wet hand.
2. An accurate circuit is built in the product so that it is necessary to avoid giving impact or force which may cause mechanical trouble.
3. Do not use hurt or torn power cord, plug and loose consent.
4. Do not bend power cord heavily and do not let the cord to be pressed under heavy stuff.
5. Do not block the fan cooler at the bottom of the products.
6. Please, unplug when it is thundering or lightning while not using for a long time.
7. Do not pull out the plug, gripping a part of cord and do not touch with we hand.
8. Do not install the product at the place with high humidity, dust and spitting water.
9. Please install the product away from heating instruments.
10. Please clean the product after unplugging, do not spray water directly, and do not use chemicals for cleaning.
11. Please remove any dust or water on the pins of power plug.
12. Please unplug immediately, when you detect noise, smell or smoke.
13. For the better function, please avoid the interference of any infrared ray (i.e. sunlight, heat ramp etc.) from the sensor if it's possible.
14. Do not disassemble, repair or reconstruct.
15. Contact us for questions or detailed information about troubleshooting.
16. Please, be careful not to touch the optical sensor with the melted wax on the metallic carver, it may prevent proper sensing.

\*Manufacturer have not any responsibility if you have equipment's problem by operating through abnormal methods.

The range of environmental conditions for the products:

- Indoor use
- Temperature 5°C ~ 40°C
- Humidity Min. 50% ~ Max. 80%
- Main Supply voltage fluctuations up to ± 10% of the nominal voltage.
- Pollution Degree: II

**Caution:** This unit can be used for the experimental equipment or instrument at the laboratory.

### Product Description

If you work for waxing up, this equipment is able to replace Bunsen Burners, spirit lamps, alcohol or gas burners. You can gain quickly high heat and it is safe and efficient to use.

### Functions & Features

1. Gain quickly high heat.
2. Safe from fire and burn.
3. Energy efficient operation due to electronic sensor.
4. Easy to use and ergonomic design. (it is clean due to using cap which can be replaced.)
5. Green on LED is stand condition and RED is operating by sensor.
6. To safe, error is appeared when a carver is inserted in the hole for a long time. (Blink the red LED light)
7. In case an error occurred, caused by an overload, the front LED light will be blinking red and green alternately. When the error happens, please stop working until the LED light turns green. It will take around 30 seconds. And then use again. (Note: the waiting time depends on)

### How to use

1. Plug in unit and turn on the ON/OFF switch on the back of the unit.
2. Confirm the LED is green (If LED is Red, please refer to the part of "Before use" on manual)
3. Two Sensors on top of the unit will sensed by carver or hand (If the wax carver is too thin, it might be difficult to sense it. So we recommend not to grip the carver too from the end of the tip)
4. Gain immediately high heat with changing from green to red when it is operating.

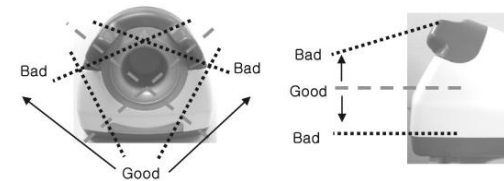
**Caution:** Do not insert any metallic ringed finger in the induction hole to avoid a burn. Do not insert any fingers in the induction hole after long use to avoid a burn.

### Adjustment of Sensitivity

1. Turn left: Sensitivity will be less sensitive.
2. Turn right: Sensitivity will be more sensitive.
3. Set slowly until changing to the desired sensitivity by using a screw driver.

### Range of Sensitivity

To gain better sensitivity, please put a carver in the center of the hole



### Specifications

CLASSIFICATION	INPUT POWER SOURCE	CONSUMED POWER	FUSE	DIMENSION(mm)			WEIGHT (Kg)
				W	D	H	
BQS600-110	120V 50/60Hz	100W	2A			89	0.48
BQS600-220	240V 50/60Hz	100W	2A			89	0.48