Correct temperature reading

The temperature sensor encased in the black sheath is very accurate. Having set the desired temperature on the AHS and positioned the sensor in its required location the temperature of the air will be controlled accurately at the position of the temperature sensor.

The temperature nearer the heater (from the sensor position) will be hotter and further away from the heater it will be cooler.

Please note that when using a thermometer to check the temperature that unless it is in exactly the same position as the thermostat sensor there will be a discrepancy due to the positioning of the thermometer.

The AHS contains no user serviceable parts and the ceramic heater should only be replaced by Microclimate.

Microclimate products are designed and built to exacting standards. Each and every unit is tested to ensure many years of trouble free operation is achieved.

All Microclimate products are designed and manufactured in the UK.

Microclimate AHS benefit with a 1-year parts and labour warranty. Please keep your proof of purchase safe, as this will be required for all warranty claims.

Due to the many diverse applications for this product no liability for the loss or damage to livestock or equipment can be accepted.

This does not affect your statutory rights.

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AHS User Guide

IMPORTANT - TO ENSURE CORRECT OPERATION OF YOUR AHS
PLEASE READ THE GUIDE BEFORE COMMENCING INSTALLATION

AHS (Advanced Heating System)

The AHS is a self contained heating system comprising ceramic heater, pulse proportional thermostat and a safety thermal trip.

Thermal Trip

The mechanical thermal trip senses the temperature of the metal enclosure. If the metalwork exceeds approximately 70 degrees Celsius then the trip will cut the power to the ceramic heater irrespective of what the thermostat is indicating. This is a safety device to ensure that the metal work remains at a temperature that does not cause harm to your reptile. If the thermal trip does operate a metallic click can be heard. The safety trip is automatic and when the metalwork has cooled the trip will again allow power to the heater.

Installing your AHS

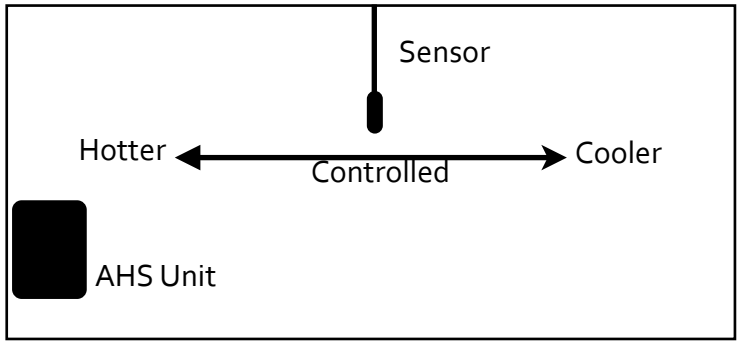
The optimum position for the AHS to be most efficient is the side wall of the vivarium facing the length of the vivarium approximately 4cm above the substrate. In this position hot air flows across the floor of the vivarium rising to the roof and then cooling as it falls. This creates a thermal airflow within the vivarium. The AHS can be mounted in other positions such as the rear wall or the roof if required.
The sensor should be installed inside the vivarium at least 225mm (9 inches) away from the heat source. This is to ensure that the sensor is measuring the air temperature. The sensor should be in free air and not fixed to the wall of the vivarium as this will not give a correct reading to the AHS. Also ensure the sensor is at least 10cm from the side walls of the vivarium. The mains cable and sensor cable should be positioned so they are not easily accessible to the animal/reptile.

Connect the mains cable from the AHS to your mains supply. Please note the mains plug is fitted with a 3 amp fuse.

The mains cable fitted to the AHS is colour coded as follows

BROWN - LIVE BLUE - NEUTRAL GREEN/YELLOW - EARTH

A vivarium should be set up to allow a temperature gradient. The AHS should be at one end with the sensor in the centre of the vivarium. This will allow a Hot area, Controlled area and a Cooler area.



Operating your AHS

The AHS temperature is factory set to 19 degrees Celsius this is fully anti-clockwise on the temperature dial.

To adjust the temperature use a small flat bladed screwdriver and rotate the temperature adjuster clockwise until the slot is aligned with the required temperature on the scale.
A thermometer should ALWAYS be used to check the temperature within the vivarium and the thermostat then adjusted to give the required temperature for your pets environment.
If the temperature that has been set requires heat from the AHS then the green led will be on full. As the vivarium temperature rises and it gets nearer to the set temperature the green LED will begin to pulse. Indicating that the desired temperature is being reached. When the required temperature has been achieved the LED will pulse at regular intervals. If the green LED is off then no power is being supplied to the ceramic element.
The heating element should be kept free of dust and dirt particles. Regular use of a vacuum cleaner should be sufficient, please ensure the AHS is off before commencing cleaning.

CAUTION : If the AHS is plugged in there will be mains on the unit even if the LED is off. The green LED indicates power to the heater.

Heating the Vivarium from cold

The initial heating up of your vivarium is probably the longest length of time that the AHS will be giving full power to the heater. This will mean that the metalwork will get hotter than normal and the safety trip will operate. To cut down the heat up time of the vivarium turn up the temperature adjuster slowly until the LED is on constant, then turn it up a few more degrees wait until the LED starts to pulse indicating that the temperature has been reached then turn the adjuster up a few more degrees and again wait until the LED pulses. (Please note, this may take some time depending on the size of the vivarium, the ambient temperature and the positioning of the AHS and sensor.) Continue to do this until the desired temperature is achieved.