

Mediheat V500DVstat

Veterinary Operating Table Heated Mat

(With remote, digital, variable temperature module)

Operating Instructions

Description

The V500DVstat is a digitally controlled heated mat designed to reduce the heat loss suffered by small animals/mammals during operations. It can also be used for post operative recovery.

The mat is constructed from tough ABS plastic. The heated area is made from clear anodised aluminium to aid cleaning and sterilisation, and is bonded to the top of the plastic casing.

A digital thermostat accurately controls the temperature, which is adjustable between approximately 10°C and 50°C. Heater function is displayed via a neon light.

Instructions for use

Controls

All of the controls are located on the separate control module, which is connected to the mat via a three-pin plug/socket and jack lead. The module will always display the current sensor temperature unless settings are being adjusted or the unit has a fault. The sensor is mounted inside the casing in contact with the element.

Operation

Connect both the three-pin plug and jack plug to the mat. Plug the mains lead from the control module into a power supply and switch on. After a test sequence, the display will show the current ambient temperature. The module is factory set to 38°C and the mat will warm up fairly rapidly to this temperature. An indicator light on the mat shows when the element is heating and a red light will also illuminate on the digital module display in the lower left hand corner ('Out' = Output). These lights will cycle On/Off when the unit reaches the set temperature.

! Note: Should the sensor lead (the smaller jack lead) become detached, the module will display error code E1, and the heater will switch off.

Temperature adjustment

To adjust the set temperature, momentarily press 'P'. 'SP' will be displayed alternating with the current set temperature. Use the ▲ & ▼ buttons to set the desired temperature (Max 50°C, Min 10°C). When the desired temperature has been set, momentarily press 'P' again. The module will return to displaying the current sensor temperature. If this is lower than the set temperature, both the red 'Out' light on the module and the heater light on the mat should illuminate.

When the sensor reaches the set temperature the module will switch the element off and both lights will extinguish. The module has a very close differential, and will switch on again as the temperature drops 0.1°C below the set temperature. Due to thermal lag, the actual temperature range on the mat surface will be in the region ±0.5°C.

Standby Mode

The module can be temporarily put into Standby Mode (switching the element off) by pressing and holding 'U' for 1 second. The display reading will go off and the standby light will illuminate in the lower right hand corner of the display. Standby can be toggled On/Off by pressing and holding 'U' for 1 second. When the unit comes out of standby, it will return to the previous set temperature.

Maintenance - Always disconnect the unit from the mains power supply before attempting to clean it.

The unit should only be cleaned with mild detergents and sterilising solutions. Under no circumstances should solvents of any kind be used to clean the unit.

The V500DVstat is classified as IPX1. This means that it is not waterproof, but can withstand ingress of a small splash of water. When cleaning the unit, only a damp cloth should be used.

Although the unit is splashproof, care should be taken to prevent contact with water or other liquids whilst in use.

In the event of water entering the unit, it should be returned to the supplier for inspection by the manufacturer.

Technical Data

The moulded plug is fitted with a 3 amp fuse (UK only). If the fuse needs to be replaced always use a 3 amp BS1363 fuse. If the plug needs to be removed, connect the wires as follows:

The wires in the mains lead are coloured in accordance with the following code:

Blue – Neutral Brown – Live Green/Yellow - Earth

The wire coloured Blue must be connected to the terminal marked N or coloured Black. The wire coloured Brown must be connected to the terminal marked L or coloured Red, the wire coloured Green/Yellow must be connected to the terminal marked E or coloured Green.

Specification:	Power	85w
	Voltage	Module – 110-240v 50/60Hz Mat – 110 or 240v, see rating label on mat
	Protection	IPX1
	Standard	BS EN60335 & BS 5724 Part 1