

## Thermopak TP4



### General Description

The TP4 Thermopak is a 6 kVA power supply unit. It includes a heavy duty voltage step-down transformer which converts the mains supply to a very low voltage, as required for resistance soldering and brazing, but with a secondary capable of carrying a high current.

The TP4 has a second transformer which supplies the control circuit (switches, indicator LED's etc.) with a 24V supply ensuring that the equipment is safe for the operator to use. In addition an earthed screen is between the primary and secondary windings of the heavy duty transformer.

This unit is designed to be used with the larger sized Thermotools or resistance heads and for heavy use can be used with a water-cooled Thermotool such as the HD3W Thermotool.

As part of the safety features on the TP4 a transformer current overload switch is fitted which will trip out and cut off the electrical supply if too much current being drawn. This protects the Thermopak as well as the electrical supply of the facility.

A further safety feature is a transformer overheat cut out circuit that ensures that the transformer does not overheat, causing transformer hotspots, which can shorten the life of the transformer.

Should a water-cooler need to be used with the TP4 a safety circuit to will ensure that if there is no water pressure present at the water pressure switch the LED on the front panel will not light up and the unit will not function. This is to ensure that if the Watercooler has stopped cooling the resistance head or tool then these items will not overheat causing a potential safety hazard.

### **Specification**

|                                   |   |
|-----------------------------------|---|
| <b>Rating</b>                     | 6000VA  |
| <b>Output power</b>               | 0 – 5 levels  |
| <b>Voltage range: Parallel</b>    | 2.5/ 3/ 3.5/ 4.5/ 5V (nominal)                        |
| <b>Series</b>                     | 5/ 6/ 7/ 8/ 9V (nominal)                              |
| <b>Display</b>                    | Primary current Ammeter                               |
| <b>Power supply</b>               | 415 VAC, 50-60 Hz 16 Amp                              |
| <b>Dimensions (approx)</b>        | (W)455 x (H)465 x (D) 455 mm (not including bus bars) |
| <b>Unit weight</b>                | 98Kg  |
| <b>Foot switch (cable length)</b> | 2.0m  |
| <b>Water cooler output socket</b> | 230V 50-60Hz  |