

The Weller Magnastat system operates through a ferro-magnetic sensing device which changes its characteristics when specific temperatures are reached. This causes it to either attract or repel a permanent magnet which operates a power supply switch. In this way power to the heating element can be quickly switched on or off to either provide extra power for soldering operations or reduced power when idling. Various pre-selected tip temperatures are available to permit different types of soldering to be undertaken.

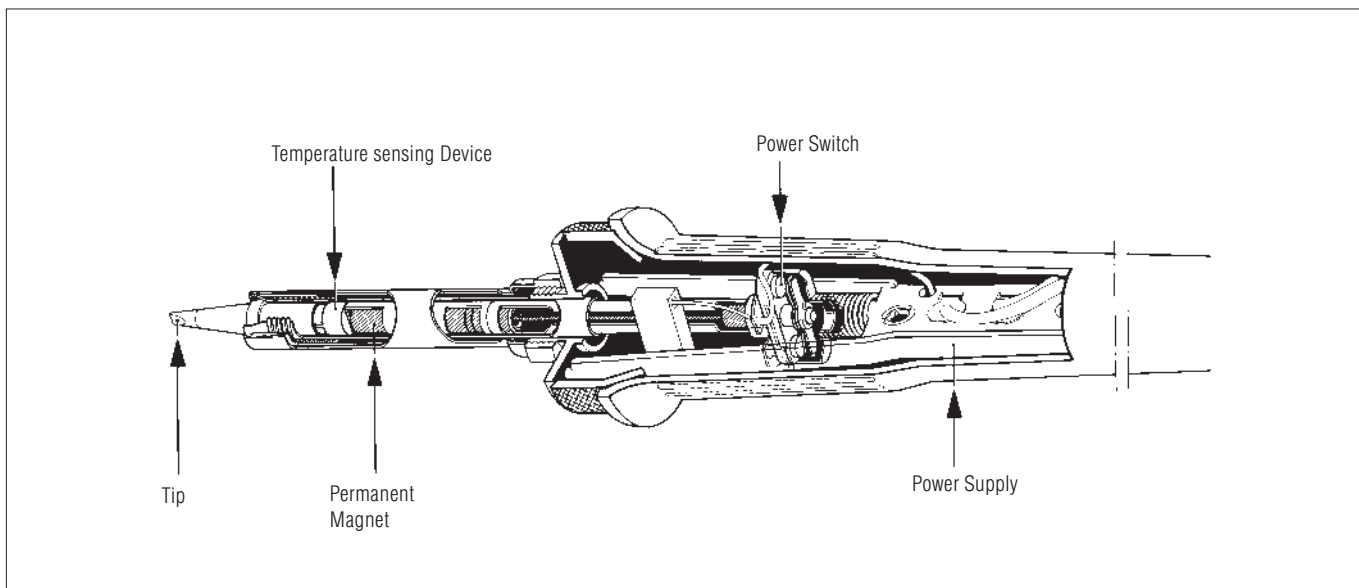
Working temperature selection is achieved by simply changing the

"temperature sensing" soldering tip. These are available in temperature ratings of 260°C, 316°C, 370°C, 425°C and 480°C. The tips are made of pure copper for effective heat conductivity.

The heating element has an optimal heating effect on the tip. This is possible through high precision of the tubes, the winding and insulation, which means that the heating element should never be gripped with pliers or be hammered in any way.

It is quite sufficient to secure the soldering tip by tightening it into the tip sleeve by hand (when the iron is cold). The solder is an important factor for the quality of soldered joints. The most suitable is copper-free SN 60 with a flux core. The flux should be organic and very easily activated. Fluxes with a halogen content should not be used. The soldering operation should be effected in the following order: heating the solder joint then supply the solder between joint and tip. The solder should never be applied to the tip and then to the soldering joint. This causes "dry" joints.

## Ferro-Magnetic Controlled Stations



## Description

Magnastat Soldering Station consists of:

Safety transformer class II, 230 V x 24 V soldering iron TCP S and holder KH 20. The iron is supplied with a 3-wire cord. The third wire is led through the plug directly to the socket for potential balance.

Consists of:

- P 50 Power unit
- TCP S Soldering pencil 5 32 105 99
- KH 20 Support 5 15 020 99

Exploded Drawing: see page 222.

Soldering Tips: PT-Series see page 124.

- WTCP 50 switchable 120 / 240 V

## Model

**WTCP 50**

D, F	5 31 006 99
GB	5 31 003 99
CH	5 31 005 99
DK	5 31 010 99
I	5 31 011 99
IL	5 31 013 99
SA, IND	5 31 014 99



5 31 004 99\*