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.

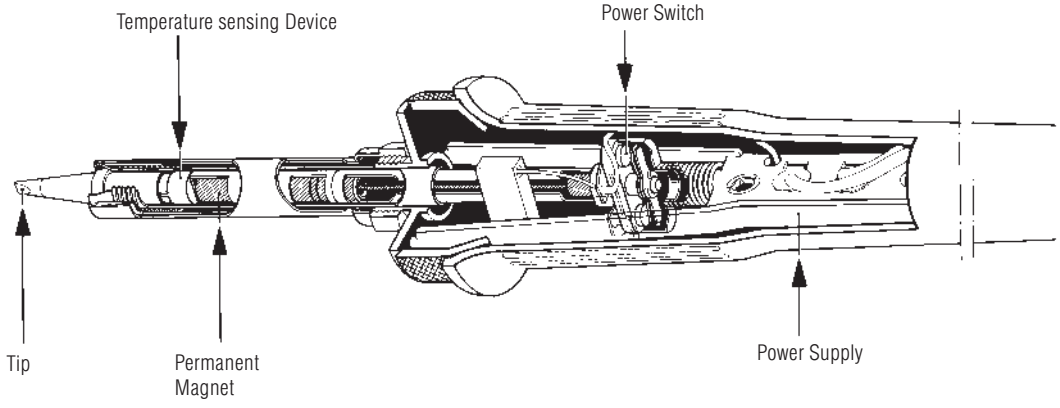
Working temperature selection is achieved by simply changing the

”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 60with 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*

Model

Magnastat soldering iron
60 W, 230 V, controlled temperature

Consists of:
• Soldering iron W61/60 W
• Support AK 1
Soldering tips: CT-Series see page 146.

	W 61
D, F	5 61 036 99
GB	5 61 033 99
CH	5 61 035 99
DK	5 61 036 80
I	5 61 036 81
SA, IND	5 61 036 84
IL	5 61 036 85



Magnastat soldering iron
100 W, 230 V, controlled temperature

Consists of:
• Soldering iron W 101/100 W
• Support AK 1
Soldering tips: CT-Series see page 146.

	W 101
D, F	5 61 046 99
GB	5 61 043 99
CH	5 61 045 99
DK	5 61 046 80
I	5 61 046 81
SA, IND	5 61 046 84
IL	5 61 046 85



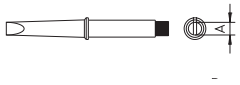
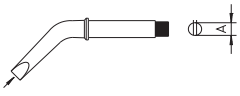
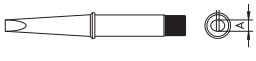
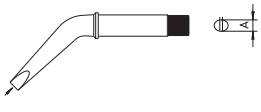
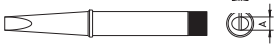
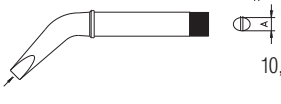
Magnastat soldering iron
200 W, 230 V, controlled temperature

Consists of:
• Soldering iron W 201/200 W
• Support AK 2
Soldering tips: CT-Series see page 146.

	W 201
D, F	5 61 056 99
GB	5 61 053 99
CH	5 61 055 99
DK	5 61 056 80
I	5 61 056 81
SA, IND	5 61 056 84
IL	5 61 056 85



For use with: W 61, W 101, W 201

Description and Model	Width A	Order-No. 260°C	Order-No. 310°C	Order-No. 370°C	Order-No. 425°C
For 60 W soldering iron (W61)					
Chisel tip straight 	1,6 mm	**CT5A5** 5 42 005 99	**CT5A6** 5 42 006 99	**CT5A7** 5 42 007 99	**CT5A8** 5 42 008 99
	2,4 mm	**CT5B5** 5 42 015 99	**CT5B6** 5 42 016 99	**CT5B7** ① 5 42 017 99	**CT5B8** 5 42 018 99
	3,2 mm	**CT5C5** 5 42 025 99	**CT5C6** 5 42 026 99	**CT5C7** 5 42 027 99	**CT5C8** 5 42 028 99
	5,0 mm	**CT5D5** 5 42 035 99	**CT5D6** 5 42 036 99	**CT5D7** 5 42 037 99	**CT5D8** 5 42 038 99
Chisel tip bent (45°) 	1,6 mm	**CT5AX5** 5 42 105 99	**CT5AX6** 5 42 106 99	**CT5AX7** 5 42 107 99	**CT5AX8** 5 42 108 99
	2,4 mm	**CT5BX5** 5 42 115 99	**CT5BX6** 5 42 116 99	**CT5BX7** 5 42 117 99	**CT5BX8** 5 42 118 99
	3,2 mm	**CT5CX5** 5 42 125 99	**CT5CX6** 5 42 126 99	**CT5CX7** 5 42 127 99	**CT5CX8** 5 42 128 99
	5,0 mm	**CT5DX5** 5 42 135 99	**CT5DX6** 5 42 136 99	**CT5DX7** 5 42 137 99	**CT5DX8** 5 42 138 99
For 100 W soldering iron (W101)					
Chisel tip straight 	3,2 mm	- -	**CT6C6** 5 42 206 99	**CT6C7** 5 42 207 99	**CT6C8** 5 42 208 99
	5,0 mm	- -	**CT6D6** 5 42 216 99	**CT6D7** 5 42 217 99	**CT6D8** 5 42 218 99
	7,0 mm	- -	**CT6E6** 5 42 226 99	**CT6E7** ① 5 42 227 99	**CT6E8** 5 42 228 99
Chisel tip bent (45°) 	3,2 mm	- -	**CT6CX6** 5 42 306 99	**CT6CX7** 5 42 307 99	**CT6CX8** 5 42 308 99
	5,0 mm	- -	**CT6DX6** 5 42 316 99	**CT6DX7** 5 42 317 99	**CT6DX8** 5 42 318 99
	7,0 mm	- -	**CT6EX6** 5 42 326 99	**CT6EX7** 5 42 327 99	**CT6EX8** 5 42 328 99
For 200 W soldering iron (W201)					
Chisel tip straight 	7,0 mm	- -	**CT2E6** 5 42 406 99	**CT2E7** 5 42 407 99	**CT2E8** 5 42 408 99
	10,0 mm	- -	**CT2F6** 5 42 416 99	**CT2F7** ① 5 42 417 99	**CT2F8** 5 42 418 99
	11,0 mm	- -	**CT2G6** 5 42 426 99	**CT2G7** 5 42 427 99	**CT2G8** 5 42 428 99
Chisel tip bent 	7,0 mm	- -	**CT2EX6** 5 42 506 99	**CT2EX7** 5 42 507 99	**CT2EX8** 5 42 508 99
	10,0 mm	- -	**CT2FX6** 5 42 516 99	**CT2FX7** 5 42 517 99	**CT2FX8** 5 42 518 99

① Scope of delivery W61