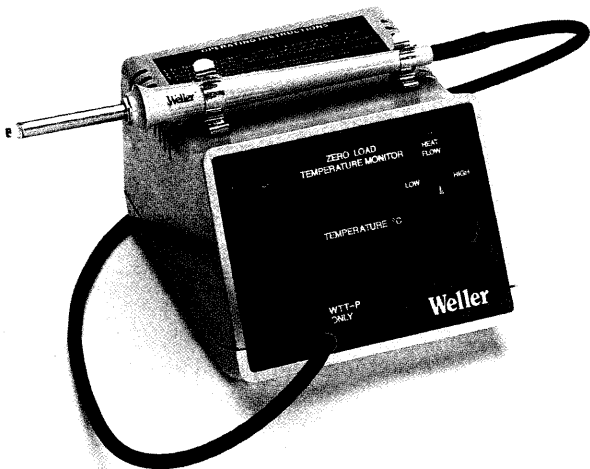


# WTT1500 Zero load electronic temperature measuring system



A portable, fast temperature measuring system. Designed for low mass miniature soldering iron tip temperature measurements. Provides accurate measurement in less than 10 seconds. Does not heat sink the measured item. Has its own internal heat source and dual sensor system that measures both temperature and heat flow. The temperature measurement drives the digital display and the heat flow measurement controls the heat source in the probe such that heat flow from the measured item is held very close to zero. LED readout of measured temperature has a resolution of 1°C and the power being proportioned to the heater is shown by a red LED indicator. High range switch allowing probe to idle at approx. 170°C shortens time to reach tip temp. Response is maintained within specification over line voltage variation of 10% and an ambient temperature range of 15°C – 43°C.

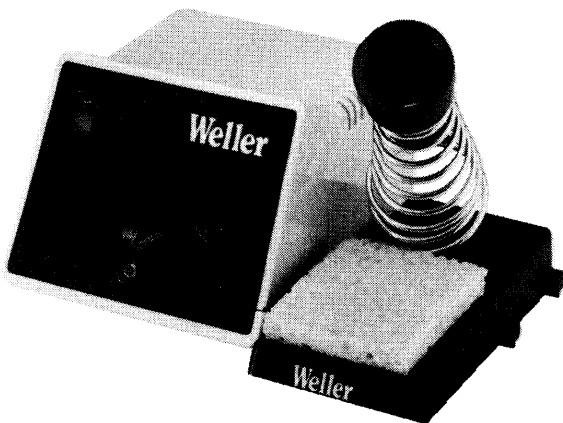
Zero voltage switched thyristor ensures no high voltage spikes or magnetic fields will be present at the tip. Probes are interchangeable without re-calibration. Power unit output voltage: isolated 24 VAC (full load). Fitted with 230/120 voltage selector switch.

| Cat. No. | W  | V       |
|----------|----|---------|
| WTT1500  | 13 | 230/120 |

| Accessories |                   |  |
|-------------|-------------------|--|
| WTT-P       | Temperature Probe |  |

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## Low voltage equipment (Closed-loop Magnastat principle) PS2 and PS3 Power units



For standard 24 volt TCP soldering irons. Complete with clip-on safety bench holder. All mains leads are 1m in length.

- Features:**
- Full 50 VA power
  - On/off illuminated power switch
  - External fuse access
  - Thermo-plastic case
  - Bench holder clips to either side of unit or can stand alone
  - Reinforced spring holder prevents flex from entangling in spring
  - Easy to service
  - Full range of spares
  - All components replaceable
  - 4mm earthing socket (PS2 series only)
  - BS1363A plug fitted

| 2 wire series |     |         |       |              |
|---------------|-----|---------|-------|--------------|
| Cat. No.      | V   |         | Cycle | No. of wires |
| PS-2D         | 230 | AC only | 50    | 2            |
| PS-2E         | 120 | AC only | 50    | 2            |

PS-2 series if fitted with additional 4mm socket to enable tip to be earthed to workbench static earth. Class II transformer to B.S. 3535. Iron not included.

| 3 wire series |     |         |       |              |
|---------------|-----|---------|-------|--------------|
| Cat. No.      | V   |         | Cycle | No. of wires |
| PS-3D         | 230 | AC only | 50    | 3            |
| PS-3E         | 120 | AC only | 50    | 3            |

PS-3 series is grounded for applications requiring mains earth tip. Class II transformer to BS 3535. Iron not included.

Desoldering Station Spares

| Spare Description      | WMD3 | WMA1 | DS801    | DS811    | DS900  | DS900P  |
|------------------------|------|------|----------|----------|--------|---------|
| Aluminium Baffle       |      |      | 510974   | 510974   | -      | -       |
| Clean Out Tool         |      |      | DS205    | DS205    | DS205  | DS205   |
| Desoldering Headset    |      |      | DS122    | DS122    | DS121  | DS121   |
| Filter Catridge        |      |      | SK1307   | SK1307   | -      | -       |
| Filter Catridge Disc   |      |      | SK1308   | SK1308   | -      | -       |
| Finger Switch          |      |      | 510992   | 510992   |        |         |
| Foam Sleeve            |      |      | 511017   | 511017   | 511017 |         |
| Footswitch             |      |      | DS109    | DS109    | DS109  | DS109   |
| Gaskets                |      |      | G3104    | G3104    | F49    | F49     |
| Glass Tube             |      |      | DS203    | DS203    | DS103  | DS103   |
| Heating Element        |      |      | 510744   | 510744   | HE-1   | HE-1    |
| Mineral Wool           |      |      | MW100    | MW100    | MW100  | MW100   |
| Pump                   |      |      | 5871170S | 5871170S | -      | 5111560 |
| Solenoid               |      |      | -        | -        | SK910  | -       |
| Sponge                 |      |      | 511518   | 511518   | 511518 | 511518  |
| Switch Assembly/Sensor |      |      | SW5      | SW5      | SW1    | SW1     |
| Switch Button          |      |      | 5109931  | 5109931  |        |         |
| Vacuum Tube            |      |      | VT1      | VT1      | VT1    | VT1     |
| Vanes x 3              |      |      | 513619   | 513619   | -      | -       |
| Venturi                |      |      | -        | -        | SK912  | -       |

N.B Contact the Service Department for advice on any spare part not listed above. Telephone (0191)-4166062 Fax (0191) 4169286

Power Unit Spares

| Spare Description          | PS-2D  | PS-2E  | PS-3D  | PS-3E  |
|----------------------------|--------|--------|--------|--------|
| Case Bottom                | 511041 | 511041 | 511041 | 511041 |
| Case Top                   | 511045 | 511047 | 511044 | 511046 |
| ESP 4 mm Socket            | 511053 | 511053 | -      | -      |
| Front Panel                | 511049 | 511049 | 511048 | 511048 |
| Funnel                     | 510185 | 510185 | 510185 | 510185 |
| Fuse                       | 511511 | 511656 | 511511 | 511656 |
| Fuse Holder                | 511059 | 511059 | 511059 | 511059 |
| illuminated Switch         | 511512 | 511512 | 511512 | 511512 |
| Mains Lead                 | 511050 | 511050 | 511051 | 511051 |
| Power Unit Socket          | 510352 | 510352 | 510352 | 510352 |
| Sponge                     | 511518 | 511518 | 511518 | 511518 |
| Spring                     | 511060 | 511060 | 511060 | 511060 |
| Strap                      | 511058 | 511058 | 511058 | 511058 |
| Transformer                | 511502 | 511503 | 511502 | 511503 |
| Transformer Mounting Screw | 511052 | 511052 | 511052 | 511052 |

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