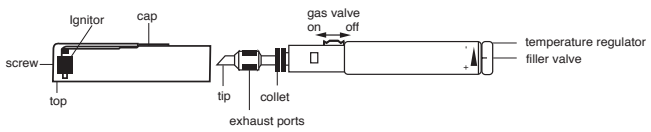
Instruction Leaflet

Miniature Gas Soldering Iron

RS **stock no. 600-234**

Soldering iron bits	
RS Stock No	
600-240 600-256 600-262	2.4mm 3.2mm 4.8mm

Figure 1



Operating instructions

The soldering iron operates on ISO-Butane gas as used in ordinary cigarette lighters. Use only filtered (purified) gas fuels.

1. Refill the iron in a vertical position with the filler valve facing upwards and the top fitted to the iron.
2. Push the refill firmly into the filler valve and hold steady for 4 to 5 seconds.
3. To obtain maximum gas filling, it is recommended that the iron is chilled (in a refrigerator) before filling.
4. After filling, leave the iron for 1 hour before use.

Ignition

5. Do not leave the iron empty of gas as this will cause the valve to dry out.
6. Set the temperature regulator to medium (half way between - and +).
7. Hold soldering iron away from the body and face.
8. Push gas valve towards tip to release gas and activate the flint ignitor so that sparks are directed towards the tip exhaust ports.
9. When ignited, the tip will flame for up to 15 seconds before self-extinguishing as the catalyst takes over.
10. If the tip continues to flame, set temperature regulator lower. If flaming still continues, the catalyst may be exhausted and the tip needs replacing (see tip replacement).
11. Do not increase temperature whilst tip is flaming.
12. To shut down, push gas valve away from tip.
13. Note: The tip will remain hot after use. Do not replace the cap until the tip has cooled down.

Tip replacement

14. After a period of use, the catalyst becomes exhausted and the tip must be replaced. This is indicated by excessive flaming when ignited, continuing for more than 30 seconds.
15. To replace the tip, unscrew the collet and pull the tip away from the iron.
16. Screw in the new tip. Note that the catalyst, visible through the tip exhaust ports, is delicate and will not withstand mechanical abuse. Any damage will seriously foreshorten tip life.

Flint replacement

17. Release screw from the top of the cap, remove top, taking care not to dislodge spring.
18. Remove old flint and replace with a standard cigarette lighter flint.
19. Replace top and retighten screw.

General performance

The soldering iron when full will give nominally 1 hours continuous use, with tip temperatures up to 400°C max. (equivalent to 60 watt rating).

DO NOT EXPOSE TO FIRE, FLAME OR STORE IN TEMPERATURES IN EXCESS OF 50°C.

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