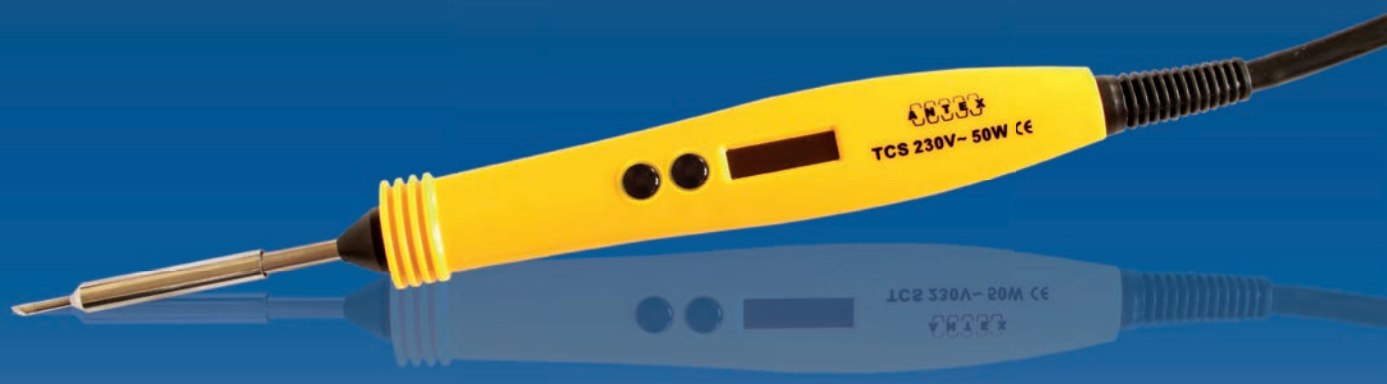
# ANTEX




## 70 YEARS IN SOLDERING

# ANTEX PRECISION RANGE

The Antex Precision range has been continually developed over 70 years by Antex in the UK. The soldering irons are signified by the traditional Antex yellow and black colours and manufactured to the highest standards in our factories both in the UK and overseas.

## The Precision range soldering irons offer the following features:-

- Large range of replacement tips
- Long life iron plated tips
- Robust ergonomic handles
- Many voltage options available
- Choice of PVC or burn-proof silicone cables
- Large range of spares available. For example, elements, cables handles etc.

The Precision range is designed to compete with the major OEM brands available and exceeds the quality and features available from many of our competitors.

### STANDS FOR SOLDERING IRONS

### SOLDERING IRONS

### SOLDERING STATIONS

### GAS IRONS

ANTEX

# M12 SOLDERING IRON

- Ergonomic miniature handle
- Iron plated, nickel coated bit for long life
- Upto 20,000 operations tip life
- 11 replacement tips in range
- Choice of Burnproof Silicone cable or standard pvc cable
- Voltages from 12 - 230VAC available

Replacement Bits - MK2

Replacement Element

Safety Stand ST6A

## SPECIFICATIONS

| | |
|---|---|
| Voltage | 230, 115, 24, 12 |
| Temperature | 370°C |
| Power | 12W |
| Leakage current | 1.5 $\mu$A |
| Fitted bit | 10 (0.5mm) |
| Cable types | PVC or Silicone |
| Cable Length | 1.5 mtr |
| Plug | UK, EU, USA |
| Dims (Tip to handle) | 147mm |

- Manufactured to Din EN 60335-2-45
- CE & EMC Low Voltage directive conformity
- Thermally balanced

# C15 SOLDERING IRON

- Ergonomic miniature handle
- Iron plated, nickel coated bit for long life
- Upto 20,000 operations tip life
- 11 replacement tips in range
- Choice of Burnproof Silicone cable or standard pvc cable
- Voltages from 12 - 230VAC available

## SPECIFICATIONS

| | |
|---|---|
| Voltage | 230, 115, 24, 12 |
| Temperature | 370°C |
| Power | 15W |
| Leakage current | 3.5 $\mu$A |
| Fitted bit | 820 (2.3mm) |
| Cable types | PVC or Silicone |
| Cable Length | 1.5 mtr |
| Plug | UK, EU, USA |
| Dims (Tip to handle) | 147mm |

- Manufactured to Din EN 60335-2-45
- CE & EMC Low Voltage directive conformity
- Thermally balanced

Replacement Bits - MK2 series

Replacement Element

Safety Stand ST6A

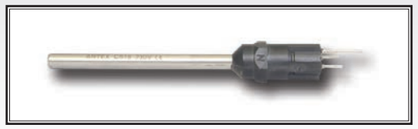




# CS18 SOLDERING IRON

- Ergonomic handle
- Iron plated, nickel coated bit for long life
- Upto 30,000 operations tip life
- 9 replacement tips in range
- Choice of Burnproof Silicone cable or standard pvc cable
- Voltages from 12 - 230VAC available

Replacement Bits - 1100 series



Replacement Element

Safety Stand ST6A

## SPECIFICATIONS

| | |
|---|---|
| Voltage | 230, 115, 24, 12 |
| Temperature | 390°C |
| Power | 18W |
| Leakage current | 1.5 $\mu$A |
| Fitted bit | 1100 (2.3mm) |
| Cable types | PVC or Silicone |
| Cable Length | 1.5 mtr |
| Plug | UK, EU, USA |
| Dims (Tip to handle) | 182mm |

- Manufactured to Din EN 60335-2-45
- CE & EMC Low Voltage directive conformity
- Thermally balanced
- Easy change shimmed bits

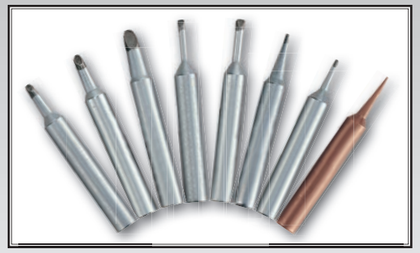
# XS25 SOLDERING IRON

- Ergonomic handle
- Iron plated, nickel coated bit for long life
- Upto 30,000 operations tip life
- 8 replacement tips in range
- Choice of Burnproof Silicone cable or standard pvc cable
- Voltages from 12 - 230VAC available

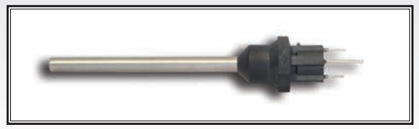
## SPECIFICATIONS

| | |
|---|---|
| Voltage | 230, 115, 24, 12 |
| Temperature | 390°C |
| Power | 25W |
| Leakage current | 2.0 $\mu$A |
| Fitted bit | 50 (2.3mm) |
| Cable types | PVC or Silicone |
| Cable Length | 1.5 mtr |
| Plug | UK, EU, USA |
| Dims (Tip to handle) | 200mm |

- Manufactured to Din EN 60335-2-45
- CE & EMC Low Voltage directive conformity
- Thermally balanced
- Easy change shimmed bits



Replacement Bits - XS series



Replacement Element

Safety Stand ST6A





# TCS 50W DIGITAL SOLDERING IRON

- Ergonomic handle
- Temperature controlled
- Digital display
- Easy button operated temperature adjustment
- Range adjustable from 200°C - 450°C
- Iron plated, nickel coated bit for long life
- Upto 30,000 operations tip life
- 9 replacement tips in range
- Burnproof Silicone cable fitted as standard

Replacement Bits - 1100 series

Safety Stand ST6A

## SPECIFICATIONS

| | |
|---|---|
| Voltage | 230 |
| Temperature | 200°C - 450°C |
| Power | 50W |
| Leakage current | 5.0 $\mu$A |
| Fitted bit | 1100 (2.3mm) |
| Cable types | Silicone |
| Cable Length | 1.5 mtr |
| Plug | UK, EU |
| Dims (Tip to handle) | 235mm |

- Manufactured to Din EN 60335-2-45
- CE & EMC Low Voltage directive conformity
- Easy change shimmed bits

# 660A ANALOGUE SOLDERING STATION

- TC50A Industrial grade Soldering iron (50W)
- Temperature controlled
- Rotary temperature adjustment
- Range adjustable from 200°C - 450°C
- Sensor close to tip for fast response times
- Iron plated, nickel coated bits for long life
- Upto 30,000 operations tip life
- 9 replacement tips in range
- Burnproof Silicone cable fitted as standard
- Robust metal enclosure
- LED temperature indication
- Power on indication
- Iron voltage 24V
- ST6A stand included

## SPECIFICATIONS

| | |
|---|---|
| Voltage | 230VAC |
| Temperature | 200°C - 450°C |
| Stability | +/- 2°C No load |
| Temp rise time (350°C) | 55 secs |
| Power | 50W |
| Leakage current | 2.0 $\mu$A |
| Fitted bit | 1100 (2.3mm) |
| Cable type | Silicone |
| Cable Length | 1.5 mtr |
| Plug | UK, EU |
| Dims (Tip to handle) | 182mm |

- Manufactured to Din EN 60335-2-45
- CE & EMC Low Voltage directive conformity
- Easy change shimmed bits
- Fume extraction kit available separately

Replacement Bits - 1100 series

Safety Stand ST6A

# 690D DIGITAL SOLDERING STATION

- TC50A Industrial grade Soldering iron (50W)
- Temperature controlled
- Digital temperature display
- Push button range adjustable from 200°C - 450°C
- Sensor close to tip for fast response times
- Iron plated, nickel coated bits for long life
- Upto 30,000 operations tip life
- 9 replacement tips in range
- Burnproof Silicone cable fitted as standard
- Robust metal enclosure
- LED temperature indication
- Power on indication
- Iron voltage 24V
- ST6A stand included

Replacement Bits - 1100 series

Safety Stand ST6A

## SPECIFICATIONS

| | |
|---|---|
| Voltage | 230VAC |
| Temperature | 200°C - 450°C |
| Stability | +/- 2°C No load |
| Temp rise time (350°C) | 55 secs |
| Power | 50W |
| Leakage current | 2.0 $\mu$A |
| Fitted bit | 1100 (2.3mm) |
| Cable type | Silicone |
| Cable Length | 1.5 mtr |
| Plug | UK, EU |
| Dims (Tip to handle) | 182mm |

- Manufactured to Din EN 60335-2-45
- CE & EMC Low Voltage directive conformity
- Easy change shimmed bits
- Fume extraction kit available separately

# 760RWK DIGITAL SOLDERING & HOT AIR REWORK STATION

- TC50A Industrial grade Soldering iron (50W)
- Temperature controlled
- Digital temperature display
- Push button range adjustable from 200°C - 450°C
- Sensor close to tip for fast response times
- Iron plated, nickel coated bits for long life
- Upto 30,000 operations tip life
- 9 replacement tips in range
- Burnproof Silicone cable fitted as standard
- Robust metal enclosure
- LED temperature indication
- Power on indication
- Iron voltage 24V
- ST6A stand included
- 2 x Hot-Air nozzles included
- Station switchable between Soldering and Hot air control

## SPECIFICATION - STATION

| | |
|---|---|
| Voltage | 230VAC |
| Temperature | 200°C - 450°C |
| Stability | +/- 2°C No load |
| Temp rise time (350°C) | 55 secs |
| Power | 50W |
| Leakage current | 2.0 µA |
| Fitted bit | 1100 (2.3mm) |
| Cable type | Silicone |
| Cable Length | 1.5 mtr |
| Plug | UK, EU |
| Dims (Tip to handle) | 182mm |

## SPECIFICATION – HOT AIR REWORK

| | |
|---|---|
| Power max | 700W |
| Temperature | 100°C - 500°C |
| Handle length | 240mm |
| Handle weight | 180g |

- Manufactured to Din EN 60335-2-45
- CE & EMC Low Voltage directive conformity
- Easy change shimmed bits
- Fume extraction kit available separately

Replacement Bits - 1100 series

Replacement Nozzles

Safety Stand ST6A





# GASCAT 60 SOLDERING IRON

- Butane gas powered
- Soldering tip fitted
- Flintwheel Ignition
- Refillable with butane gas lighter fuel
- 1 hour (approx) run time between refills
- Safety OFF switch
- Temperature adjustable on the body of the tool
- Multifunction tool (with tips available separately)
- CE approved

Replacement Tips available

Gas Toolkit

## SPECIFICATIONS – GAS TOOL

| | |
|---|---|
| Supply | Butane gas |
| Temperature | 400°C |
| Power | 60W |
| Refill time | 10 secs |
| Fitted bit | 2.4mm |
| Ignitor life | 1000 cycles |
| Weight | 60g |
| Dims (Tip to handle) | 177mm |

## SPECIFICATIONS – GAS TOOLKIT
(as above +)

| | |
|---|---|
| Tip | Hot knife |
| Tip | Hot air blow |
| Tip | Flame |
| Tray and cleaning sponge | |
| Robust plastic case | |

# GASCAT 75P SOLDERING IRON

- Butane gas powered
- Soldering tip fitted
- Peizo Ignition
- Refillable with butane gas lighter fuel
- 90 mins (approx) run time between refills
- Safety OFF switch
- Temperature adjustable on the body of the tool
- Multifunction tool (with tips available separately)
- CE approved

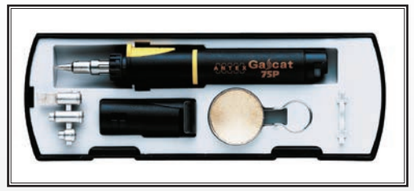
## SPECIFICATIONS – GAS TOOL

| | |
|---|---|
| Supply | Butane gas |
| Temperature(Max) | 580°C |
| Power | 15-75W adjustable |
| Refill time | 15 secs |
| Fitted bit | 2.4mm |
| Ignitor life | 1000 cycles |
| Weight | 80g |
| Dims (Tip to handle) | 177mm |

Replacement Tips available

## SPECIFICATIONS – GAS TOOLKIT
(as above +)

| | |
|---|---|
| Tip | Hot knife |
| Tip | Hot air blow |
| Tip | Flame |
| Hot air deflector for heatshrinking | |
| Tray and cleaning sponge | |
| Robust plastic case | |



Gas Toolkit

# GASCAT 120P SOLDERING IRON

- Butane gas powered
- Soldering tip fitted
- Peizo Ignition
- Refillable with butane gas lighter fuel
- 2Hrs (approx) run time between refills
- Safety OFF switch
- Temperature adjustable on the body of the tool
- Multifunction tool (with tips available separately)
- CE approved

Replacement Tips available

Gas Toolkit

## SPECIFICATIONS - GAS TOOL

| | |
|---|---|
| Supply | Butane gas |
| Temperature(Max) | 580°C |
| Power | 25-120W adjustable |
| Refill time | 30 secs |
| Fitted bit | 2.4mm |
| Ignitor life | 1000 cycles |
| Weight | 165g |
| Dims (Tip to handle) | 233mm |

## SPECIFICATIONS – GAS TOOLKIT
(as above +)

| | |
|---|---|
| Tips | 2.4mm & 4.8mm |
| Tip | Hot knife |
| Tip | Hot air blow |
| Tip | Flame |
| Hot air deflector for heatshrinking | |
| Tray and cleaning sponge | |
| Robust plastic case | |

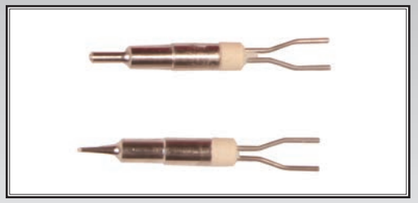
# RECHARGEABLE BATTERY POWERED SOLDERING IRON

- Rechargeable nickel cadmium battery
- Heats up in 10 seconds
- Upto 350 soldering operations per charge
- Long life tip fitted
- Light fittings attachable to illuminate work area
- Safety switch prevents accidental operation
- Power ON illumination

## SPECIFICATIONS

| | |
|---|---|
| Voltage | 230VAC charger |
| Temperature | 350°C |
| Power | 35W |
| Fitted bit | 1.0mm |
| Weight | 160g |
| Plug | UK, EU |
| Dims (Tip to handle) | 220mm |

- Manufactured to Din EN 60335-2-45
- CE & EMC Low Voltage directive conformity
- VDE approved



Replacement Bits available

Requires mains charger

# SOLDERING IRON STANDS

## ST4

- General purpose soldering iron stand
- Use with Antex M,C,G,CS & XS irons
- Can be fastened to workbench for added security
- Replacement sponges are available

## ST6A

- Industrial styled bench stand
- Use with Antex M,C,G,CS,XS, TCS & TC50 irons
- Slip resistant feet included
- Ballast weight for added stability
- Can be fastened to workbench for added security
- Slot in stand allows use with fume extraction tubes
- Design helps handle stay cool when in stand
- Replacement sponges are available

# ANTEX 'LITE' RANGE

The Antex 'Lite' range has been developed for customers who do not require too many additional features and may only be requiring a soldering tool for occasional work.

The Lite range soldering irons feature a striking blue handle and are designed to compete with many of the non OEM branded products currently available.

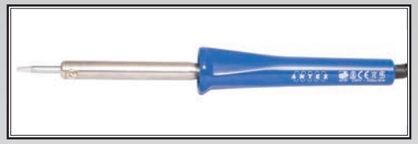
The range is manufactured and tested to the highest standards and exceeds the standards of many of the competitor irons available. The aim is to offer a budget iron whilst maintaining the quality expected from the Antex brand.

## The 'Lite' range key features are as follows:-

- A choice of 2 replacement bits available per iron
- Standard nickel plated bits
- 230V UK and European plugs styles available
- PVC cable fitted as standard
- Metal safety stand included with each iron

**STAND FOR LITE IRONS**

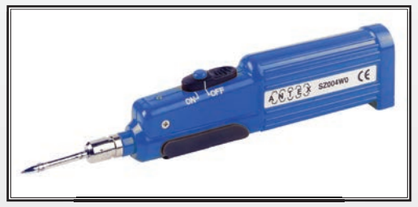
**LITE SOLDERING IRON**



**LITE SOLDERING STATION**

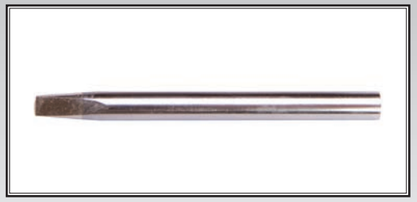
**LITE GAS IRON**

**LITE BATTERY POWERED IRON**



# ANTEX LITE SOLDERING IRON RANGE

- Impact resistant handle
- Nickel coated copper bit
- Replacement soldering bits available
- Thermally balanced
- PVC cable
- Metal sheet stand included



Replacement Tips available

Safety Stand

## SPECIFICATIONS

| Model | POWER | BIT SIZE | TEMP °C |
|---|---|---|---|
| HP15 | 15W | 3.5mm | 320 |
| HP30 | 30W | 4.0mm | 430 |
| HP40 | 40W | 5.0mm | 470 |
| HP80 | 80W | 7.0mm | 530 |
| HP100 | 100W | 8.0mm | 560 |

- Manufactured to Din EN 60335-2-45
- CE & EMC Low Voltage directive conformity

# ANTEX LITE SOLDERING STATION

- 230V Soldering iron included
- Rotary temperature adjustment
- Range adjustable from 200°C - 450°C
- Nickel coated bit
- PVC cable
- Power on indication
- Iron voltage 24V
- Stand included

## SPECIFICATIONS

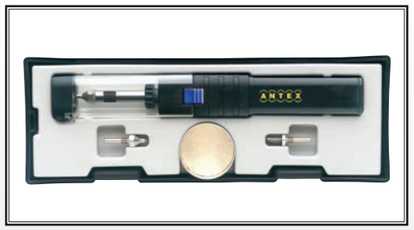
| | |
|---|---|
| Voltage | 230VAC |
| Power | 50W |
| Fitted bit | 3mm |
| Cable type | PVC |
| Cable Length | 1.5 mtr |
| Plug | UK, EU |

- Manufactured to Din EN 60335-2-45
- CE & EMC Low Voltage directive conformity

# ANTEX LITE GAS IRON

- Butane gas powered
- Soldering tip fitted
- Flintwheel Ignition
- Refillable with butane gas lighter fuel
- 45 mins (approx) run time between refills
- Safety OFF switch
- Fixed temperature
- CE approved

Replacement Tips available



Gas Toolkit

## SPECIFICATIONS - GAS TOOL

| | |
|---|---|
| Supply | Butane gas |
| Temperature | 375°C |
| Power | 40W |
| Refill time | 10 secs |
| Fitted bit | 3.2mm |
| Ignitor life | 1000 cycles |
| Weight | 60g |
| Dims (Tip to handle) | 196mm |

## SPECIFICATIONS – GAS TOOLKIT
(as above +)

| | |
|---|---|
| Tip | 3.2 mm fitted |
| Tip | 4.8mm |
| Tip | Hot knife |
| Tray and cleaning sponge | |
| Robust plastic case | |

# ANTEX LITE BATTERY POWERED SOLDERING IRON

- Uses 3 x AA alkaline batteries
- On/Off switch
- Safety cap switches tool off when fitted
- Rubberised grip
- Supplied with spare tip and solder
- Tip replacement tool included
- Power ON illumination
- CE & EMC Low Voltage directive conformity

## SPECIFICATIONS

| | |
|---|---|
| Voltage | 4.5V |
| Temperature | 450°C |
| Power | 6W |
| Fitted bit | 1.0mm |
| Weight (with batteries) | 115g |
| Dims (Tip to handle) | 170mm |

Replacement Bits available

# STAND FOR ANTEX LITE IRONS

- General purpose soldering iron stand
- Use with Antex Lite irons
- Robust metal base
- Heat resistant plastic bezel
- Replacement sponges are available

# HIGH POWER SOLDERING IRONS

## S RANGE

- Wooden handle
- Nickel coated copper bit
- Large thermal capacity
- Thermally balanced
- Standard (ST), Angled (SR), & Hatchet (SH) versions available
- Heavy duty flexible rubber power cable

Hatchet (SH)

### SPECIFICATIONS

| Model | POWER | BIT SIZE | TEMP °C | LENGTH (mm) | WEIGHT (g) |
|---|---|---|---|---|---|
| ST20 | 200 | 19 | 430 | 340 | 850 |
| ST25 | 250 | 19 | 460 | 340 | 850 |
| ST32 | 325 | 22 | 510 | 340 | 1030 |
| ST45 | 450 | 32 | 420 | 410 | 1615 |
| ST50 | 500 | 32 | 470 | 410 | 1615 |
| SR25A | 250 | 19 | 450 | 324 (250) | 900 |
| SR32A | 325 | 22 | 460 | 330 (260) | 1030 |
| SR45A | 450 | 32 | 480 | 355 (270) | 1615 |
| SR50A | 500 | 32 | 500 | 355 (270) | 1615 |
| SH25 | 250 | 19 | 450 | 324 (250) | 900 |
| SH32 | 325 | 22 | 460 | 330 (260) | 1030 |
| SH45 | 450 | 32 | 480 | 355 (270) | 1615 |
| SH50 | 500 | 32 | 500 | 355 (270) | 1615 |

- Manufactured to Din EN 60335-2-45
- CE & EMC Low Voltage directive conformity

Angled (SR)

Standard (ST)





# HIGH POWER SOLDERING IRONS

## KB RANGE

- Handle incorporates ON/OFF switch
- Plain copper bit
- Large thermal capacity
- Heavy duty flexible rubber power cable

Replacement Tips available

### SPECIFICATIONS

| Model | POWER | BIT SIZE | TEMP °C |
|---|---|---|---|
| KB-200 | 200W | 19 | 430 |
| KB-300 | 300W | 19 | 470 |
| KB-500 | 500W | 22 | 510 |

- Manufactured to Din EN 60335-2-45
- CE & EMC Low Voltage directive conformity

# REPLACEMENT BITS FOR ANTEX PRECISION RANGE

Only Antex bits should be used on Antex soldering irons. They have been specifically designed to match the power output of the heating elements. Never apply power to an iron without a bit fitted.

Antex replacement bits are manufactured from high grade copper, plated first with iron and then nickel to give a longer working life. Never file an Antex bit as this will reduce the working life.

- When replacing an Antex bit, first switch off the iron, then attach the new bit.
- Switch on the power and apply solder to the bit as it heats up for the first time.
- When you have finished using the soldering iron, always place the iron in a safety stand. (ST4 or ST6A)
- Leave a little residue of solder on the bit. This will reduce oxidisation of the tip and ensure a longer bit life.
- Wipe the bit on a clean damp sponge and apply fresh solder before re-use.

| Ref | Profile | Tip ø mm | Use On |
|---|---|---|---|
| 10 | | 0.5 | M, C & TC25 |
| 102 | | 2.3 | M, C & TC25 |
| 103 | | 4.0 | M, C & TC25 |
| 104 | | 4.7 | M, C & TC25 |
| 106 | | 1.0 | M, C & TC25 |
| 107 | | 0.12 | M, C & TC25 |
| 202 | | 2.3 | M, C & TC25 |
| 302 | | 2.3 | M, C & TC25 |
| 820 | | 2.3 | M, C & TC25 |
| 821 | | 3.0 | M, C & TC25 |
| 822 | | 4.7 | M, C & TC25 |
| 1100 | | 2.3 | CS, TCS & TC50 |
| 1101 | | 3.0 | CS, TCS & TC50 |
| 1102 | | 4.7 | CS, TCS & TC50 |
| 1103 | | 6.0 | CS, TCS & TC50 |
| 1105 | | 0.5 | CS, TCS & TC50 |
| 1106 | | 1.0 | CS, TCS & TC50 |
| 1107 | | 0.12 | CS, TCS & TC50 |
| 1108 | | 3.0 | CS, TCS & TC50 |
| 1109 | | 5.0 | CS, TCS & TC50 |
| 50 | | 2.3 | XS |
| 51 | | 3.0 | XS |
| 52 | | 4.7 | XS |
| 53 | | 2.3 | XS |
| 54 | | 3.0 | XS |
| 55 | | 0.5 | XS |
| 56 | | 1.0 | XS |
| 57 | | 0.12 | XS |



# REPLACEMENT ELEMENTS FOR ANTEX PRECISION IRONS

Replacement elements are available for all Antex Precision range irons

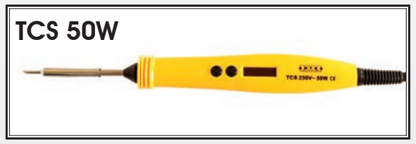
M12

C15

CS18

XS25

TCS 50W



| Iron | Element p/no | Voltage |
|---|---|---|
| M series Irons | M230E | 230 volts |
| | M115E | 115 volts |
| | M24E | 24 volts |
| | M12E | 12 volts |
| C series Irons | C230E | 230 volts |
| | C115E | 115 volts |
| | C24E | 24 volts |
| | C12E | 12 volts |
| CS series Irons | CS230E | 230 volts |
| | CS115E | 115 volts |
| | CS24E | 24 volts |
| | CS12E | 12 volts |
| XS series Irons | XS230E | 230 volts |
| | XS115E | 115 volts |
| | XS50E | 50 volts |
| | XS24E | 24 volts |
| | XS12E | 12 volts |
| TC series Irons | TC25E | 24 volts, 25 watts |
| | TC50E | 24 volts, 50 watts |
| | TCS230E | 230 volts, 50 watts |

# SOLDERING ACCESSORIES

Antex offer a complete range of soldering accessories

Tip Tinner

Cutters

Pliers

Replacement Sponges

Toolkits

Leadfree Solder

Desoldering Pumps

Fume Extraction Products

Contact
ANTEX
for further details

Antex (Electronics) Limited
2 Westbridge Industrial Estate
Tavistock
Devon PL19 8DE
Tel: +44 (0)1822 613565
Fax: +44 (0)1822 617598
Email: sales@antex.co.uk
www.antex.co.uk

Solder Pots

Antex (Electronics) Limited
2 Westbridge Industrial Estate
Tavistock
Devon PL19 8DE
Tel: +44 (0)1822 613565
Fax: +44 (0)1822 617598
Email: sales@antex.co.uk
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