



Soldering

Fume Extraction	202	Soldering Accessories	200	Soldering Stations	198
Iron Stands	199	Soldering Iron Tips	200		
Solder & Fluxes	196	Soldering Irons	196		

Full range of Soldering products available at:

www.rapidonline.com

Solder & Fluxes

*Please note: As of 1st March 2018 the supply of lead at a concentration above the relevant limit as set out under Article 67 (by virtue of Annex XVII) is restricted to professional use only.

Rapid

60/40 Tin/Lead Flux-Cored Solder Wire*



A high grade solder wire containing 60% tin and 40% lead, available in a wide variety of diameters and reel sizes.

Rapid 60/40 Tin/Lead Solder Wire provides excellent solder joint reliability, superior joint strength and excellent thermal and mechanical fatigue resistance. It has a rosin-activated flux which requires little cleaning after making the solder joint. It is ideal for use in applications requiring good activation.

- High grade 60/40 tin/lead alloy solder wire
- Melting temperature 190°C
- Recommended minimum bit temperature 300°C
- Rosin activated flux manufactured to **JISZ3283**

Reel size	Gauge	Approx. length	Order code	1+	5+	10+
100g	22SWG	35 metres	85-0592	4.67	4.46	4.15
500g	22SWG	175 metres	85-0595	20.27	19.13	17.98
500g	18SWG	61 metres	85-0610	20.27	19.13	17.98
2kg	18SWG	244 metres	85-0615	56.32	53.90	

030236

Rapid

Lead-free Solder Wire

Rapid high purity lead-free tin / copper solder is a cost-effective and versatile alternative to conventional lead solder and is suitable for all but the most demanding general purpose applications.

- Tin alloy with 0.7% copper
- Flux cored
- Melting point 227°C
- Available in 18SWG and 22SWG
- Supplied on **100g or 500g reels**
- Also available in 1.0mm diameter in a handy 12g tube

Size	Pack size	Diameter	Order code	1+	5+	10+
19SWG	12g tube	1.0mm	85-1165	2.59		
18SWG	100g reel	1.2mm	85-1162	5.09	4.57	4.05
18SWG	500g reel	1.2mm	85-1164	24.95	23.81	21.31
22SWG	100g reel	0.7mm	85-1166	5.37	4.93	4.71
22SWG	500g reel	0.7mm	85-1168	25.37	24.33	23.29

012636

Rapid

Premium Lead Free Solder with Silver and Copper

Lead-free solder wire with a Rosin activated-flux core. It offers excellent joint reliability and superior joint strength along with excellent thermal and mechanical fatigue resistance.

The solder wire is ideal for applications requiring good activation and is suitable for no-clean processes.

- Sn95.5Ag3.9Cu0.6 alloy
- 217°C melting point
- Excellent solder joint reliability
- Superior joint strength
- Excellent thermal and mechanical fatigue resistance
- Suitable for no-clean process



Omega 63/37 Rosin-Free Solder Wire*

Warton Metals Omega 63/27 rosin-free cored solder wire is made from a flux 'core' contained in high purity cored solder wire. Omega solder contains no rosin (colophony), resin acids, pine oil or other naturally occurring derivatives from pine trees and has been specially designed to reduce the number of world-wide cases of industrial asthma, related to rosin usage within a cored solder wire.

Omega provides excellent wetting whilst leaving a minimal clear post-soldering residue and is available with 1% or 2% flux.

- Solder content: 63% tin, 37% lead
- Rosin-free
- Formulated without the use of halides
- Melting point 183 to 185°C
- Supplied on **500g reels, except 85-6168** which is supplied on a **250g reel**

- **Fast flow:**
- 2% flux content
- Available in 18, 20, 22 & 24swg
- **Low residue:**
- 1% flux content
- Available in 18, 20, 22 & 26swg

Size	Reel weight	Order code	1+	5+	10+
Fast flow 63/27 2%					
18SWG	500g	85-6150	23.91	21.76	20.62
20SWG	500g	85-6152	26.21	24.05	22.91
22SWG	500g	85-6154	25.21	24.05	22.91
24SWG	500g	85-6156	28.46	27.26	26.06
Low residue 63/37 1%					
18SWG	500g	85-6160	20.25	19.07	17.86
20SWG	500g	85-6162	21.45	19.69	18.52
22SWG	500g	85-6164	24.50	23.28	22.07
26SWG	250g	85-6168	19.44		

028723



Omega II Fast Flow 2% Lead Free and Rosin Free Solder Wire

Warton Metals Omega II Fast Flow 2% Lead Free and Rosin Free Solder Wire has been specifically developed for applications demanding a lead-free and rosin-free flux cored solder.

- High purity cored solder with a 2% flux core
- Contains no rosin (colophony), resin acids, pine oil or other naturally occurring derivatives from pine trees
- Specially designed to reduce the number of world-wide cases of industrial asthma, related to rosin usage in soldering processes
- Provides excellent wetting whilst leaving a minimal clear post-soldering residue
- Available in **18 and 22 swg**
- Supplied on **500g reels**
- **Warton Metals type SAC3**

Type	Order code	1+	5+
18 swg	85-6194	47.72	45.34
22 swg	85-6196	51.14	48.58

062635



Hydro Flux 63/37 OA 2% Rosin-free, Water Wash, Cored Solder*



Warton Metals Hydro Flux 63/37 OA 2% Rosin-free, Water Wash, Cored Solder is a high-purity solder containing a colophony (rosin) free flux, ideal for hand-soldering applications where components can withstand water washing.

- Majority of the flux sublimates at soldering temperatures, leaving minimal residue on the assembly, which should be removed as soon as practical
- Solder content: 63% tin, 37% lead
- Melting range: 183°C to 185°C
- Wire gauge: 22swg
- Available on **250g and 500g reels**

Type	Order code	1+	5+	10+
22SWG 250g solder	85-6264	12.54	11.89	11.34
22SWG 500g solder	85-6266	22.10	21.56	20.49

060027

Soldering Irons

ANTEX

CS 18W Low Voltage Soldering Irons



Low voltage Antex CS 18W soldering irons for use with low voltage power supplies or mains transformers.

- An inner ceramic shaft provides near perfect insulation and virtually no leakage (less than 2mA)
- An outer shaft of stainless steel provides strength
- Bits are secured on the element by a sliding ring which, when moved towards the tip, allows the bit to slip on or off
- All irons are available with the option of a heat-proof silicone cable ideally suited to educational environments
- Available with or without fitted low voltage plug
- Suitable plugs (cable mounting sockets), order code **23-1205 or 23-1210**, are available separately if required
- Supplied complete with 2.3mm bit, 1.5m of cable and full instructions
- See Technical Specification for available options
- Slide-on hanging hooks for the irons are available separately
- **Antex type CS18W**

Order code	Model	Voltage	Cable	Plug
85-0570	CS18W	12V	PVC	None
85-0561	CS18W	24V	PVC	Low voltage
85-0572	CS18W	12V	Silicone	None
85-0562	CS18W	24V	Silicone	None
85-0563	CS18W	24V	Silicone	Low voltage

Price each				
Type	Order code	1+	5+	10+
Irons with PVC cable				
12V CS 18W iron	85-0570	21.95	21.42	
12V CS 18W element	85-0575	8.11	7.82	
24V CS 18W iron + plug	85-0561	23.56	23.02	22.49
24V CS 18W element	85-0565	8.22	7.86	7.12
Irons with silicone cable				
12V CS 18W iron	85-0572	19.28		
24V CS 18W iron	85-0562	25.16	24.09	
24V CS 18W iron + plug	85-0563	25.16	24.09	23.02
MOQ 5				
CS18W hanging hook	85-1137	0.458		

066079

ANTEX

XS25 Low Voltage 25W Soldering Irons



Low voltage Antex XS 25W soldering irons for use with low voltage power supplies or mains transformers.

- An inner ceramic shaft provides near perfect insulation and virtually no leakage (less than 2mA)
- An outer shaft of stainless steel provides strength
- Bits are held on the element shaft by an internal spring clip and simply slide on or off for changing
- Available with the option of a heat-proof silicone cable ideally suited to educational environments
- Supplied complete with 3mm bit, 1.5m of cable and full instructions
- Slide-on hanging hooks for the irons are available separately

Technical specification				
Order code	Model	Voltage	Cable	Plug type
85-1150	XS25W	24V	PVC	None
85-1151	XS25W	24V	PVC	Low voltage
85-1153	XS25W	24V	Silicone	Low voltage

Price each				
Type	Cable material	Order code	1+	5+ 10+
Iron, no plug	PVC	85-1150	21.95	
Iron + plug	PVC	85-1151	21.95	21.42 19.81
Iron + plug	Silicone	85-1153	27.30	26.77 26.23
24V XS 25W element		85-1154	7.51	7.09 6.56

MOQ 5				
Type	Cable material	Order code	5+	
XS hanging hook		85-1147	0.458	

ANTEX

Plug-In Power Supply for 24V Irons

This 24V plug-in power supply from Antex plugs directly into a standard mains socket freeing up valuable bench space. Furthermore, trailing leads from plug to transformer are eradicated. The output socket is the industry standard Bulgin PX0429 which is fitted to the front of the unit. Suitable for use with 24V versions of ANTEX C, M, CS, or XS Irons.



- 24V output voltage
- 25W output power
- 3-pin bulgin socket output connector
- Internally fused for additional user safety
- Dimensions: 100 x 70 x 68mm

Cable mounting sockets suitable for attaching to soldering iron leads are available as an optional extra, order code 23-1205

Type	Order code	1+	5+	10+
24V power supply	85-0915	40.41	37.91	37.02

ANTEX

Low Voltage CS18, 18W Soldering Iron, ST4 Stand and Power Supply Set



A cost-saving soldering set consisting of a low voltage Antex CS18 soldering iron with silicone cable, plug-in 24V power supply and ST4 soldering iron stand.

- Offers a worthwhile saving compared to buying the parts separately
- Operating temperature 390°C
- Wide range of suitable soldering tips

- PSU plugs into a standard mains socket, freeing up valuable bench space and is internally fused for user safety
- Dimensions of PSU: 100 x 70 x 68mm
- A slide-on hanging hook for the iron is available separately

Set consists of:

Antex CS18, 24V soldering iron with silicone cable	85-0563
Antex UP82060, 24V plug-in power supply	85-0915
Antex ST4 soldering iron stand	85-0585

Price each				
Type	Order code	1+	5+	10+
Iron and PSU set	85-0912	42.95	42.10	41.76

MOQ 5				
Type	Order code	5+		
CS18W hanging hook	85-1137	0.458		

ANTEX

XS 25W Mains Powered Soldering Irons



A range of mains powered 25W soldering irons from Antex.

Highly respected by both industrial users and hobbyists alike, Antex soldering irons have become one of today's classic soldering tools. It is a tribute to the simple, yet highly effective basic design of the XS25W miniature electric soldering iron that it has changed little over the years.

- Inner ceramic shaft provides near-perfect insulation with virtually no leakage (3 to 5µA)
- Outer stainless steel shaft for strength
- Bits are held on the element shaft by an internal spring clip and simply slide on or off for changing
- Supplied complete with 2.3mm bit and mains cable
- Optional heat-proof silicone cable ideal for the educational environment
- Optional fitted UK 13A mains plug
- See Technical Specification for available options
- Slide-on hanging hooks for the irons are available separately
- Antex type XS25W

Technical specification					
Order code	Model	Voltage	Type	Cable	Plug
85-0525	XS25W	230V	Standard	PVC	None
85-1141	XS25W	110V	Standard	PVC	None
85-1140	XS25W	230V	Standard	PVC	UK 13A
85-0527	XS25W	230V	Standard	Silicone	None
85-1145	XS25W	230V	Standard	Silicone	UK 13A

Price each				
Type	Order code	1+	5+	10+
XS25W 230V	85-0525	20.35	19.28	
XS25W 110V	85-1141	21.95	21.42	
XS25W + plug	85-1140	19.49	17.49	
XS25W + silicone cable	85-0527	23.56	22.49	21.42
XS25W + silicone cable + plug	85-1145	19.99		
XS25W element	85-0530	7.72	7.30	7.15

MOQ 5				
Type	Order code	5+		
XS25W hanging hook	85-1147	0.458		

ANTEX

CS and CSL 18W Mains Powered Soldering Irons



A range of mains powered, 18W precision miniature soldering irons from Antex.

Highly respected by both industrial users and hobbyists alike, Antex soldering irons have become one of today's classic soldering tools. It is a tribute to the simple, yet highly effective basic design of the CS18W miniature electric soldering iron that it has changed little over the years.

- Inner ceramic shaft of the miniature soldering iron provides near-perfect insulation with virtually no leakage (3 to 5µA)
- Outer stainless steel shaft for strength
- Soldering bits are held on the element shaft by an internal spring clip and simply slide on or off for changing
- Supplied complete with 2.3mm bit and mains cable
- Optional heat-proof silicone cable ideal for the educational environment

- Optional fitted UK 13A or European mains plug
- Long life models also available
- See Technical Specification for available options
- Slide-on hanging hooks for the irons are available separately
- Antex types CS18W & CSL18W

Technical specification					
Order code	Model	Voltage	Type	Cable	Plug
85-0500	CS18W	230V	Standard	PVC	None
85-1130	CS18W	230V	Standard	PVC	UK 13A
85-1132	CS18W	230V	Standard	PVC	Euro
85-1208	CS18W	230V	Long life	PVC	UK 13A
85-0502	CS18W	230V	Standard	Silicone	None
85-1135	CS18W	230V	Standard	Silicone	UK 13A

Price each				
Type	Order code	1+	5+	10+
CS18W	85-0500	20.35	19.28	18.42
CS18W + plug	85-1130	19.49	17.49	
CS18W + Euro plug	85-1132	19.56	18.53	17.71
CS18W + PVC cable	85-1208	20.35	19.28	18.42
CS18W + silicone cable	85-0502	23.56	22.49	21.42
CS18W + silicone cable + plug	85-1135	19.79		
CS18W element	85-0505	7.49	6.95	

MOQ 5				
Type	Order code	5+		
CS18W hanging hook	85-1137	0.458		



Thermally Balanced 25W Soldering Iron

A professional quality, thermally-balanced 25W, 230V mains soldering iron, ideally suited to the demands of both industry and education environments.

- Precision wound Nichrome element
- Rapid heat-up time (approx. 90 seconds)
- Instant heat recovery after soldering
- Ventilated neoprene finger grip ensures operator comfort, even under the most demanding production conditions
- Fitted with 1.8 metres of heat-resistant silicone mains cable, terminated in a high quality moulded UK 13A plug fused at 3A
- Supplied with 1.6mm iron-plated bit
- Bit changes are accomplished by simply unscrewing the barrel cover
- Xytronic type 200GX-25W

Other long-life, iron-plated bits are available, please see order codes 85-0967 to 85-0978. A suitable heavy-duty stand, 85-5899, is also available, please see separate entry.

Technical specification			
Input voltage	230V AC		
Power consumption	25W		
Max. temperature	430°C		
Bit supplied	1.6mm chisel		

Type	Order code	1+	5+	10+
25W iron with 13A plug	85-0640	14.70	13.82	12.16
Spare 25W 230V element	85-0642	3.68		
Barrel & barrel nut assembly	85-0666	1.81	1.40	1.14



25W Soldering Iron



Independently certified by the VDE institute of Germany and GS approved, the C.K heavy duty soldering irons are fully suited for professional use. The tips are long life design and suitable for use with lead free solder.

Type	Order code	1+	
25W Iron - UK Plug	93-0214	16.12	
Tip set	93-0222	6.02	

ANTEX

30W Soldering Iron and Element/Tip

Mains powered 30W soldering iron for larger soldering jobs, such as connections to metal chassis, large terminals, earthing tags, and other applications requiring high power and a high thermal capacity.

- Supplied complete with straight soldering tip and fitted UK 13A plug
- Spare tips are available to keep your iron in perfect working order
- Antex HP range

Type	Order code	1+	5+	10+
Soldering iron	85-5430	9.50	8.88	8.09
Straight tip	85-5446	2.75		
Angled tip	85-5448	2.75		

518902

ANTEX

40W Soldering Iron and Accessories

Mains powered 40W soldering iron for larger soldering jobs, such as connections to metal chassis, large terminals, earthing tags, and other applications requiring high power and a high thermal capacity.

- Supplied complete with straight soldering tip and fitted UK 13A plug
- Spare tips are available to keep your iron in perfect working order
- Antex HP range

Type	Order code	1+	5+	10+
Soldering iron	85-5432	10.38	9.81	8.82
Straight tip	85-5460	3.43		
Angled tip	85-5462	2.75		

518903

ANTEX

Model C, 230V, 15W Soldering Irons

The Antex Model C miniature soldering iron has a 15W heating element and is ideal for small soldering applications where too much heat could cause damage to components. It is also available with a heat-proof silicone cable, ideal for use in education.

- PVC or silicone mains lead options
- 230V mains power
- 15W heating element
- Length including cable protector and soldering bit approx. 200mm
- Body diameter max. 17mm
- Supplied complete with soldering bit, stand and fitted UK 13A plug
- Wide range of alternative soldering bits available, please see order code **85-5548**
- **Antex Model C**

Type	Order code	1+	5+	10+
PVC cable	85-5544	20.35	19.28	18.42
Silicone cable	85-5546	23.71	23.13	21.39

519341

Weller

SPN Series Soldering Irons with LED Illumination

A range of cost-effective, mains powered soldering irons ideal for occasional domestic and hobbyist applications. The irons benefit from the latest LED technology that illuminates the work area while soldering.

The front housing is ergonomically designed, encouraging the hand to naturally gravitate to the triangular area. This provides a more stable and effective grip, enhanced by the soft grip, non-slip handle design that helps relax the hand during extended use.

- LED illumination
- Ergonomic handle design
- Impact resistant housing
- Heat resistant LEDs
- High performance stainless steel heating element
- 1.6m mains cable
- Supplied complete with stand and user manual
- Range of power ratings for a variety of tasks
- 25W, 40W and 80W irons are also available in a kit including a soldering aid tool, alternative soldering tips and a supply of lead-free solder
- See Technical Details for further information

Technical specification					
Model	Order code	Wattage	Temperature	Iron tip	Additional tips included
SP15NUK	85-0781	15W	400°C/750°F	S5, 2mm	-
SP25NUK	85-0783	25W	400°C/750°F	MT1, 0.8mm	-
SP25NUK	85-0785	25W	400°C/750°F	MT1, 0.8mm	MT2, 4mm
SP40NUK	85-0787	40W	482°C/900°F	MT10, 6.3mm	-
SP40NUK	85-0789	40W	482°C/900°F	MT10, 6.3mm	TS3, 2.4mm & ST7, 0.8mm
SP80NUK	85-0791	80W	482°C/900°F	MTG20, 10mm	-
HK2UKSTG	85-0793	80W	482°C/900°F	SG10, 7mm	-

Type	Order code	1+
15W	85-0781	17.21
25W	85-0783	17.35
25W kit	85-0785	19.90
40W	85-0787	22.18
40W kit	85-0789	23.87
80W	85-0791	24.20
80W kit	85-0793	42.66
Spare tip for 85-0793	85-5759	11.20

547709

Soldering Stations

Weller

WS 81 Temperature Controlled Soldering Station

An 80W, temperature controlled soldering station consisting of a PU 81 power unit, WSP 80 soldering pencil and a WPH 80 iron stand.

- Offered at an advantageous price compared to buying the three items separately
- Temperature control between 150°C to 450°C via a rotary control
- For further details and specification of the WSP 80 soldering iron please see order code **85-5325**

Type	Order code	1+
WS 81 soldering station	85-5287	236.18

032786

Weller

WE 1010, 70W Digital Temperature Controlled Soldering Station Set

The Weller WE 1010 soldering station set consists of a WE1 station, a WEP70 soldering iron fitted with an ETA 1.6mm screwdriver style soldering tip and a PH70 safety soldering iron rest with a soldering tip cleaning sponge.



The station has been developed especially for both education and as an entry-level professional station. It has many of the software features found on professional Weller stations, plus, it is both easy and economical to use.

- Temperature controlled within $\pm 2^\circ\text{C}$ for reliable and repeatable soldering results
- Digital 70W station, 40% more powerful than 50W stations in the same category
- Fast heat up and recovery time after soldering
- High performance 70W soldering iron with ergonomic handle and tool-free tip change
- Change hot tips by hand by twisting the plastic knurled nut on the soldering pencil without an additional tool
- Improved safety rest has additional support for secure storage between use
- ESD safe - ideal for professional use
- Heat resistant silicon cable - ideal for education
- Standby and automatic set-back reduce temperature when not in use for energy saving and long tip life
- Password protection on settings to ensure correct use
- Choose from a wide selection of existing high quality, affordable, genuine Weller ET series tips
- **Weller type WE 1010**

Technical specification	
Power supply	230V, 50Hz
Power	70W
Temperature range	100 to 450°C
Temperature accuracy	9°C
Temperature stability	2°C
ESD safe	Yes
Supplied tip	ETA 1.6mm, (takes ET series)
Dimensions	150 x 125 x 100mm

Type	Order code	1+
70W soldering station	85-5614	148.99
70W soldering iron	85-5615	51.29
Soldering iron barrel	85-5616	5.89
Safety rest + sponge	85-5617	17.27
Replacement sponge	85-5618	1.48

566456

Anvil

48W Adjustable Temperature Analogue Soldering Station

This no-nonsense, low-cost soldering station is ideally suited to applications where durability, physical size and budget are the main concerns. The included 48W iron is ideal for both traditional and lead-free solders. A range of replacement tips is available to keep your iron in top condition.

Rapid
educationWe bring
STEM to life

The station is also available as a kit that includes a selection of commonly required soldering tools.

- 48W mains powered soldering station with iron
- Adjustable temperature from 150 to 450°C
- Tip cleaning sponge included
- Integral soldering iron holder
- **Solder station kit, 85-5914 also includes:**
- Helping hand assembly aid with magnifier
- Desoldering pump
- Lead-free solder wire (10g)
- Solder aid kit (brush and scraper)
- Two soldering tips

The soldering iron may give off non-hazardous fumes for approximately 30 minutes on first use.

Type	Order code	1+	10+
48W soldering station	85-5900	14.49	13.76
Replacement sponge	85-5910	1.14	1.05
48W station + toolkit	85-5914	18.56	

525406



48W Analogue Soldering Station

The Anvil AV-AN48W is an ESD safe analogue soldering station with a power rating of 48W. It is ideal for PCB level assembly and repair applications.



The temperature sensor is built into the heating element giving instant control of temperature stability.

- Analogue rotary temperature setting
- Temperature sensor incorporated in heating element
- Slim iron handle with heat resistant silicon cable
- Station includes power supply, soldering iron and iron stand with tip cleaning sponge
- Replacement soldering irons and heating elements are available separately
- **Anvil type AV-AN48W**

Type	Order code	1+	5+
48W soldering station	85-5980	38.54	36.46
Replacement 48W iron	85-5981	10.70	
Spare 48W element	85-5982	5.34	

561094



48W Analogue Soldering Station

The Anvil AV-ANS48W Analogue Soldering Station is an economical 48W variable temperature station with a temperature range of 160 to 480°C, controlled by a front panel-mounted adjustment knob.



- Excellent value-for-money
- Compact design with built-in iron stand
- Drawer in base for storing soldering tips, etc.
- Recessed tray for tip cleaner sponge
- LED power indicator
- **Anvil type AV-ANS48W**

Type	Order code	1+
48W analogue station	85-5987	15.62
Tip sponge 56 x 36mm	85-5909	1.04

561103

Rapid

...where price meets quality



LF-1600 80W Soldering Station

The LF-1600 soldering station has a digital temperature indicator, detachable 80W soldering iron and a Set-and-Forget temperature control to select a temperature between 200 and 480°C (392 to 896°F).



- ESD safe
- Microprocessor controlled circuitry
- Temperature adjustment lockout prevents unauthorised change
- Low voltage soldering iron output for safety
- Spike-free circuitry for safe soldering of sensitive devices
- Detachable AC power lead with UK 13A plug
- Earth jack for connection of antistatic wrist strap
- Soldering iron stand with brass tip cleaner
- See order codes **85-0981** to **85-0986** for a range of suitable tips

Xytronic types LF-1600 (Station) 108ESD (Iron)

Type	Order code	1+	5+	10+
LF-1600 station	85-6700	91.05	87.64	
Spare 108ESD iron	85-6702	31.38		
Barrel for 108ESD	85-6704	1.27		
Barrel nut for 108ESD	85-6706	1.27		
Element for 108ESD	85-6708	6.39		
Heater holder assy	85-0996	3.06	2.46	2.37

083273



LF-389D 60W Digital Display ESD Safe Soldering Station



The Xytronic LF-389D 60W Digital ESD Safe Soldering Station has a digital temperature readout and a soldering temperature range of 150 to 480°C. Its electronic circuitry maintains the soldering temperature within 5°C by means of a temperature sensor mounted in the soldering iron.

The electronic circuitry employs Zero Voltage switching techniques that prevent the generation of voltage and current spikes that could damage sensitive components.

A range of spare parts and alternative long-lasting, iron clad, nickel/chrome soldering tips are available to keep the LF-389D functioning perfectly.

- Warm-up time approx. 1 minute
- Fast temperature recovery
- Temperature lock
- Slender, ergonomic soldering iron with rubberised grip
- Non-burning silicone rubber cable between station and iron
- Tip grounding leakage less than 0.4mV
- Uses Xytronic 44-5106XX series soldering tips
- Supplied complete with iron stand, tip cleaner and instruction booklet

Xytronic type LF389D

Type	Order code	1+	3+	5+
LF-389D Station	85-6780	63.69	60.84	57.91
105V Soldering Iron	85-6782	22.72		
Heater Assy for 105V	85-6784	4.68		

518346



ESD Safe 48W Temperature Controlled Digital Soldering Station

A 48W temperature controlled soldering station with push-button temperature selection and a digital display.



The station has been specially designed to prevent the generation of voltage spikes and surges that could damage electro-static susceptible components. The station uses a 24V soldering iron and has a built-in soldering iron stand with a tip-cleaning sponge mounted in a drawer that can be closed when the station is not in use.

- Temperature range 150 to 450°C
- Last setting memory
- Warning alarm in case of malfunction
- Operating voltage 220 to 240V
- Supplied complete with detachable 48W, 24V soldering iron, 1.4mm soldering tip, tip cleaning sponge and mains cable with UK 13A plug

Type	Order code	1+	3+	10+
48W soldering station	85-5912	41.65	40.75	38.55
Spare soldering iron	85-5925	8.62		
Conical bit 0.3mm	85-5903	1.04		
Conical bit 0.5mm	85-5901	1.04		
Screwdriver bit 2.0mm	85-5907	1.04		
Chisel bit 3.0mm	85-5905	1.04		
Spare sponge	85-5909	1.04		

555386

Iron Stands

ANTEX

ST4 Soldering Iron Stand

The Antex ST4 stand is suitable for use with most Antex soldering irons.



- Phenolic base with chromed-steel spring holder
- Incorporates mounting holes enabling the stand to be fixed to a bench
- Supplied with tip cleaning sponge
- Replacement sponges are available separately, order code **85-0587**
- **Antex type ST4**

Not suitable for the Antex TCS240.

Type	Order code	1+	5+
ST4 iron stand	85-0585	5.57	5.29

030200



Xytronic 105C Soldering Iron Stand

A safety stand for Xytronic soldering irons.

- Holds iron safely
- Reduces risk of accidental burns or damage to iron
- Built-in tip-cleaning brass wool
- Spare brass wool is available separately, order code **85-0628**
- **Xytronic type 105C**



Type	Order code	1+
Xytronic iron stand	85-5899	9.15

533154

ANTEX

Soldering Iron Stand

The Antex ST6A soldering iron stand is an industrial quality stand which fits the Antex M, C, CS, XS, TCS, TC & SD soldering irons. It is ideal for use with irons fitted with a fume extraction tube.

- Fits the Antex M, C, CS, XS, TCS, TC & SD irons
- Manufactured from high grade materials suitable for soldering iron tip temperatures
- Innovative design keeps soldering iron handle temperature to a minimum
- Slip-resistant feet
- Ballast weight for stability
- Tip cleaning sponge
- **Antex type ST6A**

Not suitable for the larger Antex HP and Solbrazo irons.

Type	Order code	1+	5+	10+
ST6A iron stand	85-4722	9.54	9.02	8.50
Replacement sponge	85-0584	1.32		

539435



Soldering Iron Stands



A range of soldering iron stands featuring spiral spring construction with zinc-plated inner tubes.

- Recessed area for sponge
- Made from heat-resistant materials
- Ring diameter 35mm
- Sponge size 55 x 35mm approx.
- Replacement sponges available separately
- **Anvil AV-STND10 series**

Type	Order code	1+
Plastic base	85-5998	5.34
Metal base	85-5999	5.34

561058

Soldering Iron Tips

ANTEX

Soldering Bits for CS, CSL and TCS Soldering Irons

Soldering bits suitable for the Antex CS and TCS ranges of soldering irons.

- Bits are held in place by an internal spring
- Bits for the CS and TCS also fit the Antex TC50 and SD50 irons and the 660TC station
- 'L' versions are extra plated to increase protection from the more aggressive fluxes used with lead-free solder



Type	Order code	1+	5+	10+
1100 2.3mm CS & TCS	85-0515	2.86	2.67	2.56
1100L 2.3mm CSL & TCS	85-1212	3.11	2.97	2.80
1101 3.0mm CS & TCS	85-0518	2.86	2.67	2.56
1101L 3.0mm CSL & TCS	85-1214	3.11	2.97	2.80
1102 4.7mm CS & TCS	85-0520	2.86	2.67	2.56
1103 6.0mm CS & TCS	85-0511	2.86	2.67	
1105 0.5mm CS & TCS	85-0508	2.86	2.67	2.56
1105L 0.5mm CSL & TCS	85-1216	3.11	2.97	2.80
1106 1.0mm CS & TCS	85-0510	2.86	2.67	2.56
1107 0.12mm CS & TCS	85-0522	3.85	3.74	
1108 3.0mm CS & TCS	85-0507	2.86	2.67	2.56
1109 5.0mm CS & TCS	85-0509	2.86	2.67	2.56

061628



Lead Free Soldering Tips: 44-4154XX Series



Bits for Xytronic soldering irons **85-0650, 85-0660, model 207, model 208 and the XY9-60A, XY9-60D, XY7, XY9, LF-1000, 168, 168-3CD, 169 and 169D** soldering stations.

- Plated over entire length - prevents sticking in iron
- Pre-tinned with lead-free solder
- **Xytronic 44-4154XX Series** (where XX denotes the precise part number)

Type	Order code	1+	5+	10+	50+
0.4mm pointed bit 403	85-0967	3.06	2.68	2.46	
0.8mm 45° chisel bit 401	85-0968	3.06	2.68	2.46	2.08
0.8mm pointed bit 402	85-0969	3.06	2.68	2.46	2.08
1.2mm chisel bit 406	85-0970	3.06	2.68	2.46	
1.6mm chisel bit 404	85-0972	3.06	2.68	2.46	2.08
3.2mm chisel bit 405	85-0974	3.06	2.68	2.46	
5mm 45° chisel bit 411	85-0976	3.06	2.68	2.46	2.08
5mm screwdriver bit 410	85-0978	3.06	2.68	2.46	

072322

ANTEX

Soldering Bits for XS and XSL Soldering Irons

Soldering bits suitable for the Antex XS and XSL ranges of soldering irons.

- Bits are held in place by an internal spring
- 'L' versions are extra plated to increase protection from the more aggressive fluxes used with lead-free solder



Type	Order code	1+	5+	10+
50 2.3mm XS	85-0535	2.86	2.67	2.56
50L 2.3mm XSL	85-5094	3.21	3.10	2.99
51 3.0mm XS	85-0540	2.86	2.67	2.56
51L 3.0mm XSL	85-5096	3.21	3.10	2.99
52 4.7mm XS	85-0545	2.86	2.67	2.56
53 2.3mm XS	85-0537	2.86	2.67	2.56
54 3.0mm XS	85-0539	2.86	2.67	2.56
55 0.5mm XS	85-0531	2.86	2.67	2.56
55L 0.5mm XSL	85-5098	3.21	3.10	2.99
56 1.0mm XS	85-0532	2.86	2.67	2.56
57 0.12mm XS	85-0533	3.85	3.74	3.63

300757

No minimum order value
UK mainland only

Soldering Accessories



16 LED Magnifying Lamp with Helping Hands

This Anvil Helping Hands Magnifier Lamp incorporates LED illumination, solder reel holder, tip cleaners and a stand for a soldering iron. It is an invaluable tool for intricate hobbies including jewelry and electronics, where many small parts need to be held in place during assembly or soldering and you need extra hands to hold all the pieces.



It can be configured with either one or two crocodile clamps which are fully adjustable by means of ball-joints that are held firmly by wing-nuts. Solder from the dispenser can be fed through a support on the bar that holds the clamps, keeping it close to hand, ready for use. A third crocodile clamp is mounted on a flexible gooseneck attached to the base. The magnifier is also mounted on a flexible goose-neck shaft allowing it to be positioned at any height and angle.

- Lens diameter 90mm
- Main lens power 3x
- 16 bright white LEDs
- Switch at base of gooseneck
- Powered by 4x AA batteries or mains adaptor
- Batteries are housed in the base of the gooseneck
- Wire soldering tip cleaner can be located either side
- Height approx. 300mm dependent on angle of lens
- Large 190 x 170mm metal base for stability
- Weight approx. 1.3kg
- Supplied complete with UK mains adaptor, wire tip cleaner and sponge

Technical specification

Power supply input/output	230V AC/6V DC, 1A, centre +ve
Lighting	16 LEDs
Base dimensions	(W x D) 190 x 170mm
Gooseneck length (lens)	270mm
Gooseneck length (third hand)	270mm
Solder dispenser spindle (ø x L)	15 x 68mm
Magnifying glass diameter	90mm
Magnification	3x
Batteries	4x AA
Height (dependent on lens position)	380mm
Weight	1.3kg

Type	Order code	1+
Magnifier + 3rd hand	85-5928	34.98

555833



Helping Hands Magnifying LED Lamp with Soldering Iron Stand

This Anvil Helping Hands assembly aid incorporates a magnifier with LED illumination and a stand for a lightweight soldering iron. It is invaluable for intricate hobbies including jewellery and electronics, where several small parts need to be held in place during assembly or soldering and you need a third or fourth helping hand to hold all the pieces.



It can be configured with either one or two crocodile clamps which are fully adjustable by means of ball-joints that are held firmly by wing-nuts. The magnifier is mounted on a flexible goose-neck shaft allowing it to be positioned at any height and angle. A smaller high power lens is built into the main lens for a close-up view of intricate work.

The soldering iron holder can be rotated or removed if required, when working on larger or awkwardly shaped workpieces.

- Main lens diameter 65mm
- Main lens power 3.5x
- Inset magnifier diameter 17mm
- Inset magnifier power 12x
- 2 bright white LEDs
- Switch on lens surround
- Takes 3x AAA batteries
- Weighted base for stability
- Batteries are stored in the base and add to stability
- Height approx. 180mm dependent on angle of lens
- Base size (max.) 100 x 65mm
- Weight approx. 340g

Type	Order code	1+
Helping hands	85-5926	7.50

555822



Helping Hands Assembly Aid with Magnifier

This extremely versatile assembly aid assists in the soldering of PCBs, positioning of components, wiring of connectors, etc., by holding them in place while you work on them. It's just like having an extra pair of helping hands!

An indispensable aid for model makers, DIYers and professionals. It has adjustable joints for versatile adjustment in all directions with strong crocodile clips for holding the work secure. A heavy cast-iron base gives good stability. For small parts, the 65mm glass magnifying lens will lend your eyes a hand too. Ideal for any application where a 'third hand' is required!

- Arms with crocodile clips hold the workpiece
- Can be adjusted through 360°
- 65mm steel-framed glass 2.5x magnifier
- Heavy cast base prevents accidental tipping
- Ideal for electronics, model making, jewellery, crafts, etc.

Type	Order code	1+	10+	25+
Helping hands	85-5930	4.58	4.33	3.87

525409



30309 250 x 250mm Asbestos-Free Soldering Mat

Protects working areas from flame damage and scorching when soldering or using gas torches.

- Size: 250 x 250mm
- Guaranteed asbestos-free
- Draper type 30309



Type	Order code	1+
Soldering Mat	91-4113	4.21

311818



Replacement Silicone Cable for Soldering Irons

Heat resistant, silicone cable for soldering irons.

- Especially recommended for use with mains powered irons



- Ideal for educational applications
- Survives contact with a heated soldering iron tip
- Convert existing PVC cabled irons to safer silicone cable
- Available in 3- and 5-core versions
- Overall length 3-core 1.5m, 5-core 1.2m
- Pre-stripped and tinned
- 3-core cable is normally used for mains irons
- 5-core cable is normally used for low voltage irons attached to temperature-controlled stations

Type	Order code	1+	5+
Silicone cable - 3 core	85-0590	5.13	4.92
Silicone cable - 5 core	85-0668	9.25	

030215



Desoldering Tools

The Anvil desoldering pump is a spring loaded, piston driven solder removal tool which creates a powerful vacuum to suck up molten solder. The piston is primed before the solder is heated and released by pressing a button. Spare tips are available to extend the working life of the tool, 85-0611 is an ESD safe nozzle and 85-0609 is the standard Teflon nozzle.

- Simple one handed operation
- Aluminium body
- Push button action for fast, precise working
- Tough, metal bodied desoldering tool
- Nozzle can be quickly removed for cleaning or replacement
- Available with standard or antistatic (ESD) tip for use with static sensitive devices

Type	Order code	1+	10+	50+
Std Desoldering Tool	85-0601	3.98	3.77	3.45
Standard Nozzle	85-0609	0.824	0.707	0.589
ESD Desoldering Tool	85-0603	4.67	4.11	
ESD Nozzle	85-0611	1.13	0.966	

537599



Tip Cleaning Sponge for ST Soldering Iron Stands

A replacement tip cleaning sponge, suitable for use with the Antex ST4, ST6 and other soldering iron stands.

- Approximate size 57 x 10 x 83mm
- Can be cut down to suit smaller holders
- Antex type Y011440

Type	Order code	1+	5+	10+
Antex sponge	85-0587	0.91	0.83	0.78

518915



Brass Wool Solder Tip Cleaner

A dry soldering iron tip cleaner employing low abrasive brass wool, which offers superior cleaning of stubborn deposits and oxidation.

- Unlike sponges, there is no need to keep wet, and therefore no temperature drop on the tip
- The weighted, heavy-duty holder has a non-slip rubber base for maximum stability
- Replacement brass wool refills are available separately
- Base diameter of holder 90mm
- Xytronic model 460



Type	Order code	1+	5+	10+
Tip cleaner	85-0626	5.10	4.84	4.54
Solder tip cleaner refill	85-0628	1.67	1.54	1.44

035323



TTC-LF Lead-Free Soldering Iron Tip Tinner and Cleaner

Multicore Loctite TTC-LF is a soldering iron bit tinner/cleaner offering a speedy and effective method of cleaning and re-tinning de-wetted bits.

- Lead-free formulation
- Self-adhesive pad for securing to worktop, etc.
- Supplied in a 15g tin
- Multicore Loctite type TTC-LF



Type	Order code	1+	10+
Lead-free bit cleaner	85-0630	5.46	5.19

074867



AV-CLN10W2 Brass Wool Dry Soldering Tip Cleaner

The Anvil AV-CLN10W2 is a dry soldering iron tip cleaner that uses low abrasive brass wool to offer superior cleaning of stubborn soldering deposits and oxidation especially when soldering at higher temperatures with lead-free solder.

- Dry cleaner
- No need to keep wet like sponges
- Minimal tip temperature drop when used
- Recommended for use with lead-free solder
- Replacement brass wool refills are available separately
- Anvil type AV-CLN10W2



Type	Order code	1+
Brass wool cleaner	85-5916	3.21
Brass wool refill	85-5918	1.56

561093



Desoldering Suction Pump Aluminium ESD

The desoldering suction pump from Toolcraft is an anti-static desoldering suction pump in metallic housing with self-cleaning tip and easy to use trigger head. Ideal for hobby and professional applications.

- Anti-static
- Robust aluminium housing
- Easy to use release button



Type	Order code	1+	10+
Suction pump	51-2393	6.35	5.77

524304

Free Delivery*

on all orders over £30 (excl. VAT)
(UK mainland only)

* See Terms & Conditions for full details - www.rapidonline.com/terms

Fume Extraction



456DLX Fume Extractor with 45W Soldering Iron



A temperature-controlled soldering station combined with fume extraction system, offering a one-piece solution to safe soldering.

Soldering iron:

- ESD safe
- Electronic temperature controlled, continuously adjustable iron
- Highly insulated ceramic heater
- Zero voltage switching
- Fast heat up and instant heat recovery

Extractor:

- 95 to 115CFM flow rate
- 130 x 130mm activated carbon filter
- Built in high efficiency, low noise, brushless mini fan
- Easy to replace activated carbon filter effectively absorbs noxious flux and lead fumes
- Convenient and space saving method of removing noxious fumes from the work environment
- Supplied complete with soldering iron stand and mains lead fitted with UK 13A plug
- **Xytronic model 456DLX**

Type	Order code	1+	5+	10+
Extractor with iron	85-1044	88.22	84.27	81.72
Heater holder assy	85-0996	3.06	2.46	2.37
Barrel for 108ESD	85-6704	1.27		
Barrel nut for 108ESD	85-6706	1.27		

- Activated carbon filter to remove additional gaseous pollutants
- Easy filter change
- **Supplied complete with:**
- Flexible extraction arm OF15, 1.5m, ø60mm
- Funnel nozzle ALFA (230 x 100mm)
- Fixing clamp
- Replacement filters, additional extraction arms and parts are available separately
- **Weller type Zero-Smog 2 EL Kit 1, FT91012699**

Technical specification			
Capacity	1 to 2 work places		
Max. turbine extraction rate	190m³/h		
Max. turbine vacuum	3000Pa		
Voltage	230V, 50Hz (120V, 60Hz)		
Electrical power	200W		
Noise level	53db(A) at 1m distance		
Dimensions (L x W x H)	360 x 330 x 415mm		
Weight	9kg		

Type	Order code	1+
Fume extractor unit		
1x funnel nozzle	85-5793	548.60
Accessories		
Extra extractor arm	85-5776	189.68
Extraction arm	85-5519	104.24
Hose 3m	85-5521	55.34
Hose adaptor	85-5527	6.10
Stop valve	85-5523	112.65
Table clamp (2)	85-5525	20.26



468ESD Soldering Fume Extractor

A cost-effective, mains-powered fume extraction unit for removing soldering fumes from the immediate vicinity of the operator.



- Built-in, replaceable, activated carbon filter helps to capture solid fume particles preventing them from being re-circulated in the air
- Significantly reduces the likelihood of eye irritation, nausea, and respiratory tract problems
- Adjustable tilting head
- Recommended distance from soldering iron 120 to 150mm
- Supplied complete with 3 filters and mains lead fitted with UK 13A plug
- Replacement filters are available in packs of 3 and should be changed when they have become discoloured or when excessive dust has accumulated
- ESD safe and **CE approved**
- **Xytronic type 468ESD**

Technical specification			
Input	220 to 240V AC, 50Hz		
Fuse	F0.3A 20mm, slow blow		
Output	20 to 22W		
Dimensions	182 x 136 x 200mm (W x D x H)		
Weight	1168g without filter		
Max. air volume	95 to 115 cubic feet per minute		
Filter	130 x 130mm, weight 12g		

Type	Order code	1+	3+	5+
468ESD Fume Extractor	85-6788	52.13	45.19	40.54



Soldering Fume Filter

A mains-powered unit for the filtration and removal of soldering and other fumes from the immediate vicinity of the user. When soldering in the workplace or classroom, it is advisable to have some kind of fume extraction or fume filtering system.



The unit removes fumes safely and efficiently by drawing the air through replaceable carbon filters. Simply place the filter close to the work area and switch it on.

- Filters fumes quickly, safely and efficiently
- Adjustable angle
- Supplied with 2 replaceable filters
- Replacement filters available separately
- ESD safe
- 220 to 240V AC mains powered
- Power 23W
- Size 220 x 270 x 168mm (W x H x D)
- Weight 1.4kg

Type	Order code	1+	10+
Fume filter ESD	85-5920	22.46	20.42
Pack of 2 filters	85-5924	3.41	2.89



LF-8800 Solder and Desolder Station



A combined soldering and desoldering station specially designed for lead-free soldering/desoldering to meet RoHS requirements.

The station has a built-in vacuum pump and incorporates electronic circuitry which enables the user to set the soldering tip temperature between 150°C (302°F) and 480°C (896°F) and desoldering tip temperature between 300°C (572°F) and 450°C (842°F) without changing tips or heating elements.

Temperature is maintained within ±3°C (±6°F) of its operating temperature by a thermocouple sensor in the iron. Optional accessories are available separately, including an 80W hot air pencil and an SMD rework tweezer for surface mounting devices.

- Heater and sensor fail detection and automatic power off
- Temperature 'lock-out' feature with password
- ESD safe and spike-free circuitry
- 'Zero voltage' electronic switching design protects sensitive components
- Delayed suction helps eliminate the problem of solder clogging up the tip - pump continues sucking for 1.5 seconds after the actuator switch is released
- Energy saver mode: After 20 minutes of inactivity, the temperature reduces to 150°C, after 40 minutes the power switches to 'sleep mode' which cuts power consumption and extends tip life
- Iron working option: both soldering and desoldering irons can be used at the same time
- Optional SMD tweezers for SMD chips, SOT, flat pack ICs etc.
- Optional hot air pencil
- A range of soldering tips are available separately, please see order codes **85-5180** to **85-5196**
- Supplied complete with soldering and desoldering irons and stands
- Replacement irons are available separately
- **Xytronic types LF-8800** (station), **307A** (iron), **DIA100** (desoldering iron)

Technical specification			
Input	220 to 240V AC, 50Hz		
Soldering output	100W		
Desoldering output	100W		
Temperature range soldering	150°C (302°F) to 480°C (896°F)		
Temperature range desoldering	300°C (572°F) to 450°C (842°F)		
Dimensions	105 x 90 x 126mm W x H x D		
Weight	6.5kg		

Type	Order code	1+	5+	10+
LF-8800 station	85-5490	383.54		
Iron type 307A	85-5492	51.09		
Desoldering iron DIA100	85-5496	70.26		
Heater for DIA100	85-5498	24.24		
SMD Rework Tweezer	85-5493	50.69		
1.0mm desolder tip	85-1185	8.63	7.83	
1.2mm desolder tip	85-1186	8.63	7.83	
1.5mm desolder tip	85-1187	8.63	7.83	7.40
Hot Air Pencil	85-1088	31.43		

Weller

FT Zero-Smog 2 Fume Extraction Unit and Accessory Kits

The WellerFT Zero-Smog 2 produces more suction force than its predecessor and is powerful enough to remove all types of fumes from the work bench. It can produce 190m³/h suction volume and offers a high extraction power of 3000Pa even with a used filter in place.



The performance increase is provided by a high-quality, reliable, long-life, maintenance-free brushless EC blower. In combination with flexible and adjustable 'Easy-Click 60°' arms, the Zero Smog 2 unit is the ideal solution for smaller, cost-conscious soldering applications for 1 to 2 work benches.

- Portable fume extraction unit with 1x extraction hose and funnel nozzle
- Designed for placing under or next to bench-top
- Quick and simple installation with 'Easy-Click' System
- Economic unit purifies air for 1 to 2 workplaces
- Large EPA E12 filter surface of 2.4m² For long filter lifetime
- Main filter with EPA E12 efficiency of 99.5% at MPPS