



Soldering

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Solder & Fluxes

Rapid

60/40 Tin/Lead Flux-Cored Solder Wire



A high grade solder wire containing 60% tin and 40% lead, available in a choice 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**

Please note: This product contains lead and rosin. As of 1st March 2018 the supply of solder containing lead at a concentration above the relevant limit as set out under Article 67 (by virtue of Annex XVII of the REACH regulation) is restricted to professional use only.

Technical specification

Reel size	Gauge	Approx. length	Order code
100g	22SWG	35 metres	85-0592
0.5kg	22SWG	175 metres	85-0595
0.5kg	18SWG	61 metres	85-0610
2.0kg	18SWG	244 metres	85-0615

Type	Order code	1+	5+	10+
100g 22SWG solder	85-0592	5.55	5.12	4.77
500g 22SWG solder	85-0595	24.52	22.31	20.97
500g 18SWG solder	85-0610	24.50	22.29	20.95
2kg 18SWG solder	85-0615	68.10	62.80	

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**

Technical specification

Order code	Mfrs Part No.	SWG	Diameter	Pack size
85-1165	85-1165	19	1.0mm	12g tube
85-1162	85-1162	18	1.2mm	100g reel
85-1164	85-1164	18	1.2mm	500g reel
85-1166	85-1166	22	0.7mm	100g reel
85-1168	85-1168	22	0.7mm	500g reel

Type	Order code	1+	5+	10+
19SWG 12g tube	85-1165	3.08		
18SWG 100g reel	85-1162	6.29	5.43	4.83
18SWG 500g reel	85-1164	30.51	28.06	25.11
22SWG 100g reel	85-1166	6.37	5.63	5.37
22SWG 500g reel	85-1168	30.65	28.32	27.11

Rapid

...where price meets quality

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



Type	Order code	1+	5+	10+
20SWG 12g	85-6610	3.62	3.25	3.01
22SWG 100g	85-6612	18.58	17.65	17.28
22SWG 500g	85-6614	83.14	76.43	73.96
18SWG 12g	85-6616	4.03	3.61	
18SWG 500g	85-6618	83.04	76.32	73.87



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

Please note: As of 1st March 2018 the supply of solder containing 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.

Size	Reel weight	Order code	1+	5+	10+
Fast flow 63/27 2%					
18SWG	500g	85-6150	25.11	22.85	21.66
20SWG	500g	85-6152	26.11	24.14	23.16
22SWG	500g	85-6154	26.48	25.26	24.06
24SWG	500g	85-6156	29.89	28.63	27.37
Low residue 63/37 1%					
18SWG	500g	85-6160	21.27	20.03	18.76
20SWG	500g	85-6162	22.53	20.68	19.45
22SWG	500g	85-6164	25.73	24.45	23.18
26SWG	250g	85-6168	20.42		



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	50.11	47.61
22 swg	85-6196	57.03	54.18



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**

Please note: As of 1st March 2018 the supply of solder containing 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.

Type	Order code	1+	5+	10+
22SWG 250g solder	85-6264	13.64	13.12	12.59
22SWG 500g solder	85-6266	23.21	22.64	21.52

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Soldering Irons



CS 18W, 12V & 24V 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**

Technical specification

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	20.49	20.00	
12V CS 18W element	85-0575	8.52	8.22	
24V CS 18W iron + plug	85-0561	21.70	21.21	20.71
24V CS 18W element	85-0565	8.64	8.26	7.48
Irons with silicone cable				
12V CS 18W iron	85-0572	20.25		
24V CS 18W iron	85-0562	23.87	22.86	
24V CS 18W iron + plug	85-0563	26.42	25.30	24.18

MOQ 5

Type	Order code	5+
CS18W hanging hook	85-1137	0.394



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	45.10	44.21	43.85

MOQ 5

Type	Order code	5+
CS18W hanging hook	85-1137	0.394



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	CSL18W	230V	Long life	PVC	UK 13A
85-0502	CS18W	230V	Standard	Silicone	None
85-1135	CS18W	230V	Standard	Silicone	UK 13A



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	42.44	39.81	38.88

Price each				
Type	Order code	1+	5+	10+
CS18W	85-0500	21.37	20.25	19.35
CS18W + plug	85-1130	20.47	18.37	
CS18W + Euro plug	85-1132	19.60	18.57	17.75
CSL18W + PVC cable	85-1208	20.51	19.44	18.57
CS18W + silicone cable	85-0502	24.74	23.62	22.50
CS18W + silicone cable + plug	85-1135	20.78		
CS18W element	85-0505	7.87	7.30	
MOQ 5				
Type	Order code	5+		
CS18W hanging hook	85-1137	0.394		



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 + plug	Silicone	85-1153	28.67	28.11	27.55
24V XS 25W element	-	85-1154	7.89	7.45	6.89

MOQ 5

Type	Order code	5+
XS hanging hook	85-1147	0.481



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£14.32

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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	21.37	20.25	
XS25W 110V	85-1141	23.05	22.50	
XS25W + plug	85-1140	20.47	18.37	
XS25W + silicone cable	85-0527	24.74	23.62	22.50
XS25W + silicone cable + plug	85-1145	20.99		
XS25W element	85-0530	8.11	7.67	7.51

MOQ 5

Type	Order code	5+
XS25W hanging hook	85-1147	0.481



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	17.22	16.18	14.24
Spare 25W 230V element	85-0642	4.45		
Barrel & barrel nut assembly	85-0666	1.96	1.69	1.38

Order online

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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	9.98	9.33	8.50
Straight tip	85-5446	3.12		
Angled tip	85-5448	2.89		

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	21.37	20.25	19.35
Silicone cable	85-5546	24.90	24.29	22.46

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

Order code	Wattage	Temperature	Iron tip	Additional tips included
85-0781	15W	400°C/750°F	S5, 2mm	-
85-0783	25W	400°C/750°F	MT1, 0.8mm	-
85-0785	25W	400°C/750°F	MT1, 0.8mm	MT2, 4mm
85-0787	40W	482°C/900°F	MT10, 6.3mm	-
85-0789	40W	482°C/900°F	MT10, 6.3mm	TST3, 2.4mm & ST7, 0.8mm
85-0791	80W	482°C/900°F	MTG20, 10mm	-
85-0793	80W	482°C/900°F	SG10, 7mm	-

Type	Order code	1+
15W	85-0781	15.91
25W	85-0783	16.09
25W kit	85-0785	18.85
40W	85-0787	22.18
40W kit	85-0789	23.40
80W	85-0791	22.29
80W kit	85-0793	44.40
Spare tip for 85-0793	85-5759	12.07

Helping Hands Assembly Aid & Magnifier



From only

£4.97

Order code 85-5930

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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+	10+
WS 81 soldering station	85-5287	232.19	



AV-SPGE Spare Sponge For Solder Station 93 x 50mm

A spare or replacement tip cleaning sponge for the 48W Adjustable Temperature Analogue Soldering Station, **85-5900**.

- Tip cleaning sponge
- Size 93 x 50mm

Type	Order code	1+	10+
Replacement sponge	85-5910	1.51	1.35



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	91.10	87.68	
Spare 108ESD iron	85-6702	33.64		
Barrel for 108ESD	85-6704	1.53		
Barrel nut for 108ESD	85-6706	1.22		
Element for 108ESD	85-6708	7.90		
Heater holder assy	85-0996	3.71	2.98	2.86



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**

Technical specification				
Input	220 to 240V AC, 50Hz			
Output	60W			
Fuse	0.5A fast blow			
Temperature range	150 to 480°C (302 to 896°F)			
Temperature correction range	+99 to -99°C (+210 to -210°F)			
Default setting	150°C (302°F)			
Dimensions	105 x 90 x 90mm (W x H x D)			

Type	Order code	1+	3+	5+
LF-389D Station	85-6780	72.07	68.84	65.53
105V Soldering Iron	85-6782	19.01		
Heater Assy for 105V	85-6784	5.65		



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

Technical specification	
Power input	220 to 240V AC, 50Hz
Iron voltage	24V
Output power	48W
Temperature range	150 to 450°C
Display accuracy	5%
Fuse rating	T 1A, 250V (20 x 5mm fuse)
Station dimensions	120 x 104 x 137mm
Weight	1.4kg
Sponge size	56 x 36mm

Type	Order code	1+
Spare soldering iron	85-5925	11.03
Conical bit 0.3mm	85-5903	1.34
Conical bit 0.5mm	85-5901	1.34
Screwdriver bit 2.0mm	85-5907	1.34
Chisel bit 3.0mm	85-5905	1.34
Spare sponge	85-5909	1.34

Iron Stands



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	6.33	6.01



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	11.05

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

ANTEX

ST6A 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 Solbraze irons.

Type	Order code	1+	5+	10+
ST6A iron stand	85-4722	10.02	9.48	8.93
Replacement sponge	85-0584	1.39		

539483



AV-STND10 Series 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	6.62
Metal base	85-5999	6.84

561098



Kitting Service

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education@rapidonline.com

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	3.01	2.81	2.69
1100L 2.3mm CSL & TCS	85-1212	3.27	3.12	2.94
1101 3.0mm CS & TCS	85-0518	3.01	2.81	2.69
1101L 3.0mm CSL & TCS	85-1214	3.27	3.12	2.94
1102 4.7mm CS & TCS	85-0520	3.01	2.81	2.69
1103 6.0mm CS & TCS	85-0511	3.01	2.81	
1105 0.5mm CS & TCS	85-0508	3.01	2.81	2.69
1105L 0.5mm CSL & TCS	85-1216	3.27	3.12	2.94
1106 1.0mm CS & TCS	85-0510	3.01	2.81	2.69
1107 0.12mm CS & TCS	85-0522	4.05	3.93	
1108 3.0mm CS & TCS	85-0507	3.01	2.81	2.69
1109 5.0mm CS & TCS	85-0509	3.01	2.81	2.69

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	3.33	3.23	2.98	
0.8mm 45° chisel bit 401	85-0968	3.22	3.13	2.87	2.43
0.8mm pointed bit 402	85-0969	3.71	3.23	2.98	2.51
1.2mm chisel bit 406	85-0970	3.33	3.23	2.98	
1.6mm chisel bit 404	85-0972	3.22	2.82	2.59	2.19
3.2mm chisel bit 405	85-0974	3.22	3.01	2.76	
5mm 45° chisel bit 411	85-0976	3.71	3.23	2.98	2.51
5mm screwdriver bit 410	85-0978	3.33	3.23	2.98	

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	3.01	2.81	2.69
50L 2.3mm XSL	85-5094	3.38	3.26	3.14
51 3.0mm XS	85-0540	3.01	2.81	2.69
51L 3.0mm XSL	85-5096	3.38	3.26	3.14
52 4.7mm XS	85-0545	3.01	2.81	2.69
53 2.3mm XS	85-0537	3.01	2.81	2.69
54 3.0mm XS	85-0539	3.01	2.81	2.69
55 0.5mm XS	85-0531	3.01	2.81	2.69
55L 0.5mm XSL	85-5098	3.38	3.26	3.14
56 1.0mm XS	85-0532	3.01	2.81	2.69
57 0.12mm XS	85-0533	4.05	3.93	3.82

300757

Soldering Accessories



Helping Hand LED Magnifier Lamp



An extremely versatile, combined workstation tool with a gooseneck magnifier lamp and 16 LEDs for maximum lighting of the work area. The tool has 3 'helping hands': 2 rigid and one flexible for securely supporting the work-piece at any angle.

With its soldering iron holder and solder wire reel holder, it is perfectly suited for supporting components and PCBs while soldering. The LED lights can be powered either by the mains power supply unit as well as by 4x AA batteries.

- Flexible third hand
- LED illumination
- Swan neck table magnifying lamp
- Holder for soldering iron
- Large glass lens with 2x magnification
- Small embedded lens for 4x magnification of extremely small parts
- Ring light with 16 LEDs and gooseneck for optimal lighting
- Adjustable third hand with two alligator clips
- Additional flexible 250mm gripping arm with alligator clip
- Soldering iron holder
- Wire reel holder
- Cleaning sponge
- Easily adjustable hinge
- Heavy metal stand
- Supplied complete with mains adaptor, 10mm & 19mm wire reel spindle, cleaning sponge and lens cap

Batteries not included.

Technical specification	
Mains power supply	100 to 240V AC, 5V DC, 600mA
Lighting	16 LEDs
Environment conditions	-20 to +40°C
(W x D) Stand dimensions	178 x 178mm
Gooseneck length (lens)	265mm
Gooseneck length (third hand)	250mm
Spindle holder (ø x L)	10 x 82mm / 19 x 82mm
Magnifying glass diameter	95/25mm
Magnification	2 x / 4 x (3.5/11.8 Dioptres)
Batteries	4x AA
Height	290mm
Weight	1.3kg

Type	Order code	1+
Helping Hand Lamp	51-1594	86.67

523682



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	5.91	5.38	4.80



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	6.07



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	5.39	5.17
Silicone cable - 5 core	85-0668	9.72	



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	5.29	4.83	4.42
Standard Nozzle	85-0609	1.09	0.905	0.754
ESD Desoldering Tool	85-0603	6.20	5.26	
ESD Nozzle	85-0611	1.50	1.24	



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	0.956	0.872	0.819



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	5.97	5.67	5.31
Solder tip cleaner refill	85-0628	1.76	1.70	1.58



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	6.49	6.37



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	4.11
Brass wool refill	85-5918	2.00



TOOLCRAFT 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

Technical specification

Antistatic	Yes
Dimensions (ø x L)	18 x 195mm
Weight	64g

Type	Order code	1+	10+
Suction pump	51-2393	8.10	7.10

Electronic Kits

See page 91

Pricing

Pricing correct at time of going to press. For up-to-date pricing visit www.rapidonline.com

Fume Extraction



456DLX Fume Extractor with 45W Soldering Iron



A temperature-controlled soldering station combined with a fume extraction system, offering a one-piece solution to safer 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
- Easy to replace 130 x 130mm activated carbon filter
- Built in high efficiency, low noise, brushless mini fan
- Convenient and space saving
- 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	103.28	98.64	95.66
Heater holder Assy	85-0996	3.71	2.98	2.86
Barrel for 108ESD	85-6704	1.53		
Barrel nut for 108ESD	85-6706	1.22		

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	190m ³ /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	573.80
Accessories		
Extra extractor arm	85-5776	198.20
Extraction arm	85-5519	83.18
Hose 3m	85-5521	59.60
Hose adaptor	85-5527	5.82
Stop valve	85-5523	89.18
Table clamp (2)	85-5525	19.91



468ESD Soldering Fume Extractor

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

- Built-in, replaceable, activated carbon filter helps to reduce solid fume particles
- 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	61.03	52.90	47.46



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	12.99	
Pack of 2 filters	85-5924	4.52	3.70



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	402.72		
Iron type 307A	85-5492	61.65		
Desoldering iron DIA100	85-5496	50.53		
Heater for DIA100	85-5498	23.27		
SMD Rework Tweezer	85-5493	38.56		
1.0mm desolder tip	85-1185	9.66	9.45	
1.2mm desolder tip	85-1186	9.66	9.45	
1.5mm desolder tip	85-1187	9.66	9.45	8.93
Hot Air Pencil	85-1088	34.08		

123560

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
- Activated carbon filter to remove additional gaseous pollutants
- Easy filter change