

# Weller Soldering Kit

## Weller Soldering Station



2855108

### Benefits

- Power unit, 1 channel with soldering iron WEP 70 and safety rest PH 70
- 70W solder iron with ergonomic handle and providing toolless tip change
- ESD safe station, iron and heat-resistant silicon cable for safe handling
- Using ET soldering tips
- Standby mode and auto setback conserves energy, protects equipment
- Password-protected to preserve settings
- Replacement for 4ETH, 4ETK, 4ETO, 4ETS necessary. For WEP 70 4ETHL, 4ETKL, 4EKOL and 4ETSL must be used.

### Technical Data

Dimensions W × D × H (mm)	150 × 120 × 98
Dimensions W × D × H (Inch)	5.91 × 4.72 × 3.86
Weight (ca) in kg	1.4
Voltage	230 V
Power output	85 W
Channels	1
Temperature range (depends on tool)	100°C to 450°C
Temperature range (depends on tool)	200°F to 850°F
Temperature accuracy	Average tip temperature can be „offset“ to ±5°C at idle with no load
Temperature accuracy	Average tip temperature can be „offset“ to ±9°F at idle with no load
Temperature stability	±6°C
Temperature stability	±10°F
Equipotential bonding	---
Display	Digital LC Display
Air consumption l/min	---
Operating pressure	---
Capacity l/min	---
Vacuum	---

## Weller Desoldering Pump

### Features

Desolder Tool Type : Pump  
 Tip / Nozzle O.D. : 20mm

### Specification

- One hand operation with springloaded piston
- Provides ESD safe, solder removing vacuum
- Features selfcleaning nonclogging staticfree replaceable tip, #7875B



419023

# Weller Soldering Kit

## Weller Side Cutters



2628419

### Features

Cutter Type	: Side
Overall Length	: 127mm
Cut Type	: Diagonal
Cutting Capacity Max	: 0.8mm
Jaw Type	: Flush

## Tweezer



2768629

Tips: angled, squared, flat. OAL: 115 mm

## Specification

- Low profile, generalpurpose cutter
- Superior blade bypass shear cutting action
- Better cuts with half the effort
- Greatly reduced mechanical shock delivered to the work
- Features red grips
- Flush cuts soft wire up to 20 AWG (0.8mm)

## Wire Strippers



2988504

Type	Piece	Net Weight (Kg)	Gross Weight (Kg)	Measurement			CUFT
				L(cm)	W(cm)	H(cm)	
Individual Packing	1	-	0.1	21.5	9.7	1.2	-
Inner Box	15	1.2	1.57	22	19.5	8.5	0.13
CTN	150	15	16.5	41	23.5	47	1.6

## Desoldering Wick



2903891

### Features

Braid Material	: Oxide Free Copper
Width	: 1.5mm
Length	: 1.5m
Product Range	: 400 Series Series

## Braid Desoldering Instructions

Wicking works best for the removal of surface solders. This desoldering method is generally not recommended for removal of solder in through plated holes. While the use of desoldering (wicking) braids is not hard, it does require a moderate to advance skill level depending on the project. Novices should practice on scrap pieces before attempting to an actual repair.

# Weller Soldering Kit

## Equipment and Material Needed

- Solder iron equipped with a chisel tip that matches the size of the wick
- Damp sponge
- Scissors
- (Optional) flux—like the MG 8341 No Clean Flux Paste
- (Optional) cleaners—like the MG 4140 Flux Remover or 413B Heavy Duty Flux Removers

## Preparation Steps

- Remove conformal coating that may be present.
- Clean residues/oxides that are present using a flux remover.
- For lead-free solder, start with tip temperature of about 315 °C and adjust as necessary.
- Choose a braid that matches the size of the solder to be removed. If there are small beads, choosing a wider braid will also speed up the desoldering process.

## To Remove Surface Solder

1. Heat up the soldering iron.
2. (Optional) Apply flux to the lead or land area.
3. Set the braid on the solder to be removed.
4. Place the solder tip on the braid, avoiding contact with other components.
5. When wicking action has ceased, remove the soldering iron and braid together in perpendicular motion from the surface.
6. Let the area cool, clean the tip with the sponge, and repeat removal steps as necessary.
7. Clean flux residue that may have accumulated.

## Solder Wire



2855109

### Features

- Accessories Cleaning Tools
- All purpose solder wire, use in a wide range of applications
- Excellent wetting properties
- Very low quantity of flux splashes
- Also suitable for use at low soldering temperatures

## Long Nose Plier



2916989

### Hardness

Hardness of body (HRC) : 48±3  
Hardness of cutting edge (HRC) : 48±3

## Physical and function

Making Pliers	: Stamped
Surface Finish of body	: Black oxide finished
Material of body	: Middle Carbon steels 65Mn (S55C)
Colour of body	: Black
Spring	: Return spring
Handle assemble	: Sleeve
Material of handle	: TPR
Colour of handle	: Black, Green
OAL (mm)	: 150

# Weller Soldering Kit

## Master Packing

Type	Pieces	Net Weight (Kg)	Gross Weight (Kg)	Measurement			CUFT
				L(cm)	W(cm)	H(cm)	
Individual Packing	1	-	0.1	18.5	7.5	1.7	-
Inner Box	12	0	0	0	0	0	0
CTN	144	15	16.5	49.5	38.5	26.5	1.78

## Solder Tip



416769

### Features

Tip / Nozzle Width : 1.6mm  
 Tip / Nozzle Style : Chisel  
 For Use With : LR 21 Soldering Iron  
 Product Range : ET Series



416770

### Features

Tip / Nozzle Width : 2.4mm  
 Tip / Nozzle Style : Chisel  
 For Use With : LR 21 Soldering Iron  
 Product Range : ET Series

Kit Content Description		
Order Code	Description	Quantity
2855108	Weller Soldering Station	1
419023	Weller desoldering pump	1
2628419	Weller side cutters	1
2768629	Tweezers	1
2988504	Wire strippers	1
2903891	Desoldering Wick	1
2855109	Solder Wire	1
2916989	Long nose pliers	1
416769	Solder tip	1
416770	Solder tip	1

## Part Number Table

Description	Part Number
Weller Soldering Kit	35421403