

FR-701

ESD
SAFE

Nozzle quick change type

Repair System

Digital



- All-in-one repair system that enables both soldering and desoldering

Features

For information on features of soldering iron, see P. 41.
For information on features of desoldering tool, see P. 85.

NOTE: Auto Shutoff Function and Auto Sleep Function are available for desoldering tool only.

Packing List

| | |
|---------------|--|
| FR-701 | Station, Soldering iron (FX-8801), Desoldering tool (FR-4103), Iron holder for soldering iron (with cleaning sponge and wire), Iron holder for desoldering tool (with cleaning wire), Tool box (Cleaning pin for $\phi 1$ mm, Cleaning pin for heating element, Cleaning drill for $\phi 1$ mm, Nozzle wrench, Filter [qty 2], Ceramic paper filter L [qty 4]), Power cord, Instruction manual |
|---------------|--|

Replacement Tips and Nozzles

For information on optional irons and replacement tips, see P. 43 to 45.
For information on replacement nozzles for desoldering tool FR-4103, see P. 86.

Specifications

| | |
|-------------------|--------|
| Part No. | FR-701 |
| Power consumption | 260 W |

Station (Soldering iron)

| | |
|-----------------------|---|
| Output voltage | AC 26 V |
| Temperature range | 50 to 480°C |
| Temperature stability | $\pm 1^\circ\text{C}$ at idle temperature (when set to 200 to 480°C) |

Station (Desoldering tool)

| | |
|-----------------------|---|
| Output voltage | AC 24 V |
| Vacuum generator | Vacuum pump, double cylinder type |
| Vacuum pressure | 80 kPa (600 mmHg, max.) |
| Suction flow | 15 L/min. |
| Temperature range | 330 to 450°C |
| Temperature stability | $\pm 5^\circ\text{C}$ at idle temperature |

Station

| | |
|------------|--------------------------------|
| Dimensions | 190 (W) × 140 (H) × 220 (D) mm |
| Weight | 6.2 kg |

Soldering iron

| | |
|--------------------------|---------------------|
| Power consumption | 65 W (26 V) |
| Tip to ground resistance | $< 2 \Omega$ |
| Tip to ground potential | < 2 mV |
| Heating element | Ceramic heater |
| Standard tip | Shape-B (No. T18-B) |
| Cord length | 1.2 m |
| Total length* | 217 mm (with B tip) |
| Weight* | 46 g (with B tip) |

Desoldering tool

| | |
|-----------------------------|---|
| Power consumption | 140 W (24 V) |
| Nozzle to ground resistance | $< 2 \Omega$ |
| Nozzle to ground potential | < 2 mV |
| Heating element | Composite heater |
| Standard nozzle | $\phi 1$ mm S type (No. N61-05) |
| Cord length | 1.2 m |
| Total length** | 168 mm (with $\phi 1$ mm S type nozzle) |
| Weight** | 190 g (with $\phi 1$ mm S type nozzle) |

* Without cord

** Without cord and hose

FR-702

ESD SAFE

Nozzle quick change type

Rework System

Digital



- Multi-station that enables soldering, desoldering, and SMD rework all with a single unit

Features

For information on features of soldering iron, see P. 41.
 For information on features of desoldering tool, see P. 85.
 For information on features of hot air, see P. 91 to 92 (common features).
NOTE: Auto Shutoff Function and Auto Sleep Function are available for desoldering tool and hot air only.
 Low Temperature Error Alert is available for soldering iron and desoldering tool only.

Packing List

| | |
|---------------|--|
| FR-702 | Station with hot air handpiece, Nozzle (ø4 mm) for hot air, Handpiece holder for hot air, Vacuum pipe control knob L (with screw), Pads (qty 2 each of ø3 mm, ø5 mm, ø7.6 mm), Soldering iron (FX-8801), Desoldering tool (FR-4103), Iron holder for soldering iron (with cleaning sponge and wire), Iron holder for desoldering tool (with cleaning wire), Tool box (Cleaning pin for ø1 mm, Cleaning pin for heating element, Cleaning drill for ø1 mm, Nozzle wrench, Filter [qty 2], Ceramic paper filter L [qty 4]), Heat resistant pad, Color band (qty 2), Power cord, Instruction manual |
|---------------|--|

Replacement Tips and Nozzles

For information on optional irons and replacement tips, see P. 43 to 45.
 For information on replacement nozzles for desoldering tool FR-4103, see P. 86.
 For information on replacement nozzles for hot air, see P. 95 to 97.

Specifications

| Part No. | FR-702 |
|-------------------|--|
| Power consumption | 1030 W (100 V), 1170 W (110 V), 1430 W (220 V), 1530 W (230 V), 1630 W (240 V) |

Station (Soldering iron)

| | |
|-----------------------|---|
| Output voltage | AC 26 V |
| Temperature range | 50 to 480°C |
| Temperature stability | ±1°C at idle temperature (when set to 200 to 480°C) |

Station (Desoldering tool)

| | |
|-----------------------|-----------------------------------|
| Output voltage | AC 24 V |
| Vacuum generator | Vacuum pump, double cylinder type |
| Vacuum pressure | 80 kPa (600 mmHg, max.) |
| Suction flow | 15 L/min. |
| Temperature range | 330 to 450°C |
| Temperature stability | ±5°C at idle temperature |

Station (SMD rework station)

| | |
|-------------------|--------------------------|
| Power consumption | 30 W |
| Air flow* | 1 to 9 (5 to 115 L/min.) |
| Temperature range | 50 to 600°C |

Station

| | |
|------------|--------------------------------|
| Dimensions | 370 (W) × 150 (H) × 220 (D) mm |
| Weight | 9 kg |

Soldering Iron

| | |
|--------------------------|---------------------|
| Power consumption | 65 W (26 V) |
| Tip to ground resistance | <2 Ω |
| Tip to ground potential | <2 mV |
| Heating element | Ceramic heater |
| Standard tip | Shape-B (No. T18-B) |
| Cord length | 1.2 m |
| Total length** | 217 mm (with B tip) |
| Weight** | 46 g (with B tip) |

Desoldering tool

| | |
|-----------------------------|-----------------------------------|
| Power consumption | 140 W (24 V) |
| Nozzle to ground resistance | <2 Ω |
| Nozzle to ground potential | <2 mV |
| Heating element | Composite heater |
| Standard nozzle | ø1 mm S type (No. N61-05) |
| Cord length | 1.2 m |
| Total length*** | 168 mm (with ø1 mm S type nozzle) |
| Weight*** | 190 g (with ø1 mm S type nozzle) |

Handpiece (Hot air)

| | |
|-------------------|--|
| Power consumption | 670 W (100 V), 810 W (110 V), 1070 W (220 V), 1170 W (230 V), 1270 W (240 V) |
| Standard nozzle | ø4 mm (No. N51-02) |
| Total length** | 250 mm |
| Weight** | 180 g |

* Air flow capacity is rated as free flowing. Restrictions created by various nozzles may reduce the maximum airflow capacity.

** Without cord.

*** Without cord and hose.