




Specification table for soldering pot

Model No.	FX-305	FX-301B	FX-300
			
Power consumption	550 W (100 V), 680 W (110 V), 575 W (120 V), 580 W (220 V), 640 W (230 V), 700 W (240 V)	200 W (100 V), 260 W (110 V), 290 W (120 V), 240 W (220 V), 260 W (230 V), 280 W (240 V)	195 W (100 V), 220 W (110 V), 200 W (120 V), 190 W (220 V), 205 W (230 V), 215 W (240 V)
Dimensions (w/o cord)	Main unit only: 162 (W) × 100 (H) × 239 (D) mm With solder pot cover attached: 162 (W) × 123 (H) × 239 (D) mm	143 (W) × 100 (H) × 220 (D) mm	143 (W) × 100 (H) × 220 (D) mm
Weight (w/o cord)	2.5 kg	1.7 kg	1.7 kg

Pot	FX-305	FX-301B	FX-300
Pre-equipped pot	75 x 75 square, durable type	50 x 50 square, durable type	50 x 50 square, standard type
Temperature range	50 × 50 square: 50 to 530°C 75 × 75 square: 50 to 500°C 100 × 100 square: 50 to 450°C	50 × 50 square: 200 to 450°C 75 × 75 square: 200 to 380°C	50 × 50 square: 200 to 450°C 75 × 75 square: 200 to 380°C
Solder pot dimensions (inside)	50 × 50 square: 50 (W) × 42.5 (H) × 50 (D) mm 75 × 75 square: 75 (W) × 42.5 (H) × 75 (D) mm 100 × 100 square: 100 (W) × 53 (H) × 100 (D) mm	50 × 50 square: 50 (W) × 42.2 (H) × 50 (D) mm 75 × 75 square: 75 (W) × 51.2 (H) × 75 (D) mm	50 × 50 square: 50 (W) × 42.2 (H) × 50 (D) mm 75 × 75 square: 75 (W) × 51.2 (H) × 75 (D) mm
Molten solder capacity	50 × 50 square: 0.85 kg 75 × 75 square: 1.9 kg 100 × 100 square: 2.75 kg	50 × 50 square: 0.85 kg 75 × 75 square: 1.2 kg	50 × 50 square: 0.85 kg 75 × 75 square: 1.2 kg

Notes	FX-305	FX-301B	FX-300
ESD Safe	●	●	—
Solder pot cover	●	—	—
Stop mode	●	—	—
Solder leak detection function	●	—	—
Fixing support	▲ (Option)	—	—
Display	Monochromatic segment LCD	Seven-segment LED	—
Interface	USB Mini-B	—	—
Software	●	—	—
Auto offset function	●*	—	—
Temperature probe fixing	▲ (Option)	—	—
Timer function	●	●	—
Durable type	●	●	▲ (Option)
Setting of solder composition to be used	Sn-Pb / Sn-Ag-Cu / Sn-Cu / Sn / Sn-Bi	Sn-Pb / Sn-Ag-Cu / Sn-Cu / Sn	—

* A thermometer with infrared transmit function (FG-100B/FG-101B) is required.

FX-305

■ Packing List



Unit
(Pre-equipped pot: 75 x 75,
durable type, Part No. A5068),
Solder pot cover,
Solder waste collector,
Spatula,
Hexagon wrench (size 2 mm),
USB cable,
Power cord,
Instruction manual

The dedicated software is available to download from our website.

■ Options



Pot / 50 × 50,
durable type
Part No. **A5067**



Pot / 100 × 100,
durable type
Part No. **A5069**



Fixing support
w/screw qty 2
Part No. **B5324**



Temperature
probe fixing
Part No. **B5325**

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HAKKO

Soldering pot

HAKKO FX-305 ESD SAFE
SOLDERING POT

Max. Temp. 530°C

Soldering pot with high power

Making the “impossible” possible



Power

Drastically increased heater power!
A high power heater allows quick start-up and max. temperature of 530°C

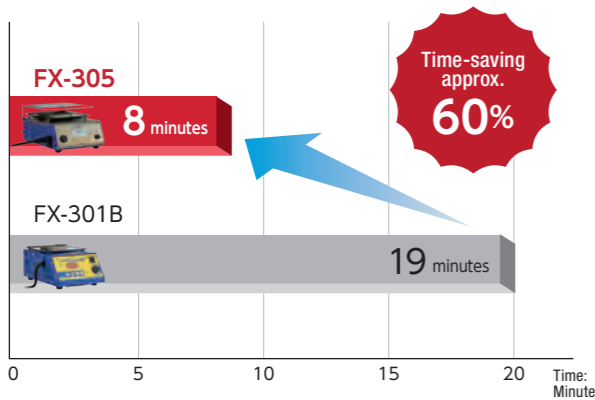
High power heater is incorporated

The time to melt the solder is **saved by nearly 60%**, compared with the FX-301B.

A high power prevents the temperature of the pot from dropping under continuous operation.

Time comparison until the solder temperature reaches the set temperature of ±10°C

● Test criteria
• Setting temperature: 380°C
• Solder: Sn-3.0Ag-0.5Cu
• Solder pot: 50 x 50 square



The maximum temperature is 530°C

The dipping time for stripping the enamel coating of coils can be saved with high-temperature settings.

*Enable to set at 530°C with 50 x 50 square pot only.



Max. Temp. 530°C
Soldering pot with high power

Size

Durable type of pot in three sizes

Durable pots with special coating are lined up.

Equipped a 75 x 75 square pot as standard, suited for various works.

A pot can be changed easily to a desirable size, according to works.

*Make sure the solder has hardened and cooled enough before changing a pot.

Pot (50 x 50 square)

Option



Recommendable for works with small components.

Pot (75 x 75 square)

Pre-equipped



Versatile size for a variety of works.

NEW

Pot (100 x 100 square)

Option



A new 100 x 100 square pot lined up suited for large parts dipping.



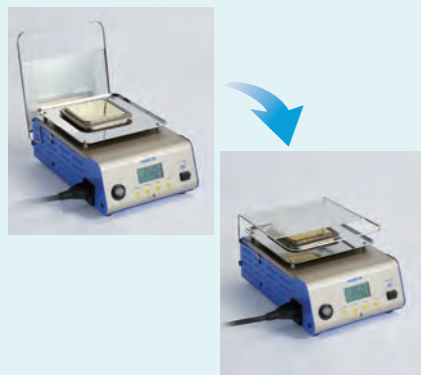
unit: (mm)

Making the "impossible" possible

Safety

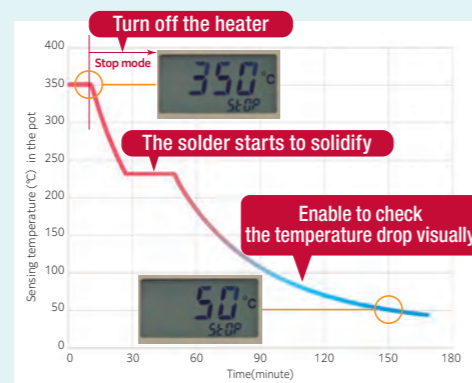
A highly safe and secure work environment

Solder pot cover



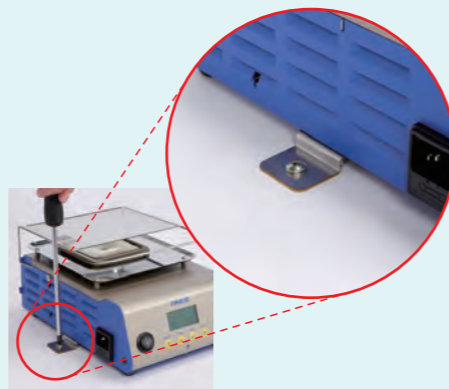
A solder pot cover prevents solder splash while melting the solder.

Stop mode



Display the temperature in the pot even while the heater is off.

Fixing support (Option)

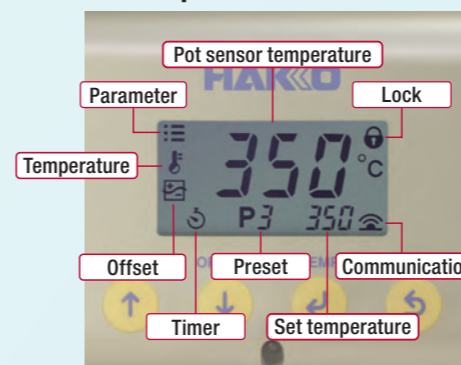


Safety design to fix the unit to the workbench.

Usability

Ultimate convenient functions

LCD shows multiple information



Display information such as setting temperature, pot sensor temperature simultaneously in the wide LCD.

Auto offset/correction



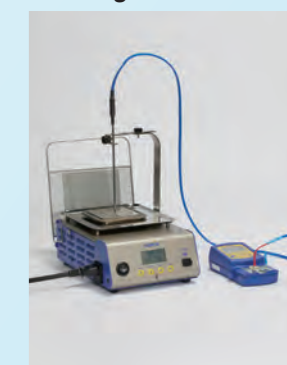
Enable offset/correction the temperature automatically by infrared transmit function of the FG-100B/FG-101B.

Software



Easy operation - various settings and calibration results can be saved.

Temperature probe fixing (option)



The optional temperature probe fixing helps to measure the temperature in a stable condition.