



952DHX LONER®

Deluxe High Performance and Standard Soldering Station



Static Safe



Temp. Regulation Indicator



Temp. Control

SH230 Sponge Holder

24V Controlled Output for Standard

24V Controlled Output for HP Hand

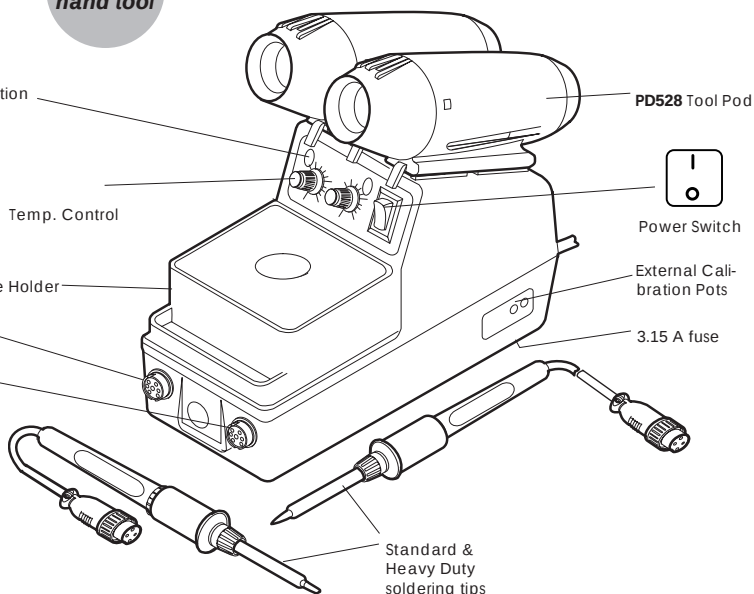
24V
hand tool

SPECIFICATIONS

- 120V input, 24V output, 50/60Hz, 90W
- 6.1 lbs. (2.8 kg.)
- TEMP. RANGE: 400°F - 800°F (205°C - 427°C)
- TEMP. REGULATION: $\pm 6^\circ\text{F}$ ($\pm 3^\circ\text{C}$)
- TIP TO GROUND LEAKAGE: < 2MV
- TIP TO GROUND RESISTANCE: < 2 OHMS
- COMPLIES WITH DOD-STD-2000-1B MIL-STD-2000A and ESD SPEC. DOD-STD 1868, DOD HDBK-263
- Tool wt. 3 oz. (85 g)
- Tool cord, 3 ft. (91.4 cm)



LISTED 310J



WARNING:

DO NOT HIT OR TAP THE TOOL. HEATER ELEMENT WILL BREAK!!!

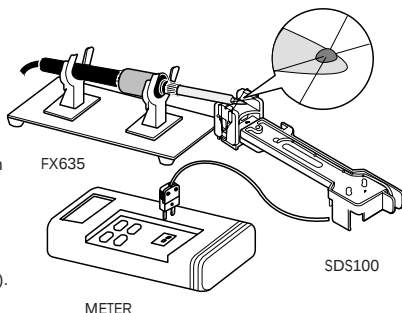
TIP CARE

1. Set desired temperature. Blinking lamp means Tool is regulating
2. TIN the Tip. (apply solder)
3. Do not rub, bend or le Tip.
4. Always clean the Tip by wiping it against the saturated sponge and always RE-TIN.

TEMPERATURE CALIBRATION

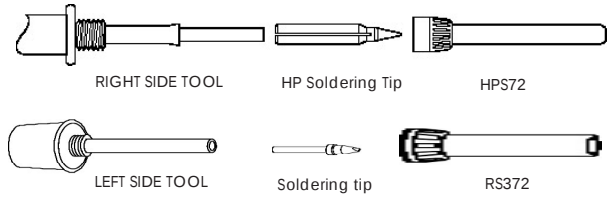
AIR MOVEMENT WILL AFFECT THE TEMPERATURE READING. WORK IN AN AREA WHERE THIS IS MINIMUM.

1. Turn on power and set Temperature Control Knob to 400°F (205°C).
2. Using a clean and well tinned Tip, apply a small amount of solder on the Tip, just enough to form a bead on top of the Tip.
3. Place the center of the thermocouple wire of the SDS100 on top of the bead.
4. Again, apply a small amount of solder on the center of the thermocouple wire, just enough to embed the center.
5. Adjust LO-Temp. Calibration Pot so the Meter will read 400°F (205°C).
6. Set Temperature Control Knob to 800°F (427°C).



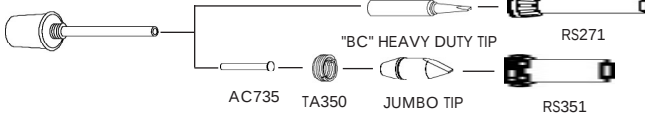
CHANGING TIP

1. MAKE SURE YOUR TOOL IS COOL!
2. Turn **HPS72** or **RS372** Retaining Sleeve counter-clockwise to remove.
3. Remove old Soldering Tip.
4. Insert new Tip.
5. Install Retaining Sleeve.
(should be "finger" tight only.)



SOLDERING TIPS RIGHT SIDE TOOL		a	b
	HP441 Long Horn Spade	.20 (5.0 mm)	.55 (14.0 mm)
	HP376 Wide Spade	.12 (3.0 mm)	.57 (14.5 mm)
	HP375 Standard Spade	.06 (1.5 mm)	.57 (14.5 mm)
	HP444 Extra-Long Spade	.04 (1.0 mm)	.83 (21.0 mm)
	HP444-1 Extra-Long Angled Spade	.04 (1.0 mm)	.75 (19.0 mm)
	HP439-1 SMD Angle Thin Probe	.03 (0.7 mm)	.51 (13.0 mm)
	HP429-1 Angled Mid-Length Needle	.02 (0.6 mm)	.76 (18.2 mm)
	HP371 Fine Spade	.03 (0.7 mm)	.55 (14.0 mm)
	HP374 SMD Probe	.03 (0.7 mm)	.57 (14.5 mm)
	HP399 Large Angle Face	.20 (5.0 mm)	.39 (10.0 mm)
SOLDERING TIPS LEFT SIDE TOOL			
	LT374 Standard Probe	.03 (0.8 mm)	.48 (12.2 mm)
	LT375 Standard Spade	.06 (1.5 mm)	.48 (12.2 mm)
	LT392 Extra-Long Needle Point	.02 (0.5 mm)	1.13 (28.8 mm)
	LT394 Extra-Long Spade	.07 (2.0 mm)	.93 (23.6 mm)
	LT446 SMD Probe	.03 (0.8 mm)	.48 (12.2 mm)
	LT337BC Heavy Duty Terminal Spade	.10 (2.5 mm)	.74 (18.8 mm)
	LT223BC Heavy Duty Fine Spade	.06 (1.5 mm)	1.21 (30.7 mm)
	LT222BC Extra long Needle Point	.04 (1.0 mm)	1.21 (30.7 mm)
	LT153BH Jumbo Spade	.20 (4.9 mm)	.93 (23.6 mm)
	LT155BH Jumbo Angle Spade	.32 (8.3 mm)	.97 (21.1 mm)

SET-UP & REQUIRED ACCESSORIES FOR HEAVY DUTY AND JUMBO TIPS

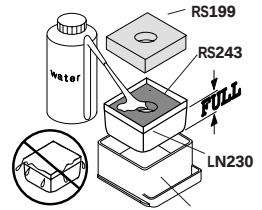


Apply **AN112** or **AN122** Anti-Seize Compound to Heater and area of Tip contact.

MAINTENANCE

Replace RS199 Cleaning Sponge

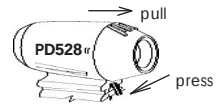
1. Fill water only up to the top of the **RS243** Leveling Pad.
2. Depress **RS199** to moisten it



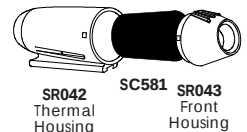
CAUTION: Over-illing can cause thermal shock to the tip or heating element during tip cleaning.

Replace SC581 Solder Collector

1. Hold the Housing firm and turn Cap counter-clockwise and pull it away from the Housing.
2. Remove used **SC581** and replace with a new one.
3. Reassemble Pod with TOP of



To replace Pod, press Release Tab and slide out Pod.



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