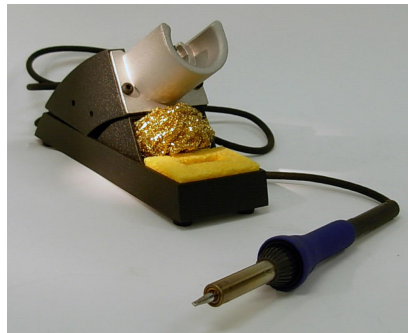




The ST 50 is a single channel, digital power supply that is available with the TD-100 ThermoDrive Soldering Iron or PS-90 SensaTemp Soldering Iron. The ST 50 can also be purchased as a Power Source only and combined with any of 4 optional handpieces. The programmable features of the ST 50 cannot be found anywhere on similarly priced systems! The ST 50 improves quality, reduces costs and eliminates the maintenance and calibration hassles associated with other systems. The ST 50 features IntelliHeat Control Technology. The heavy-duty, durable metal housing ensures years of service and the sloped face of the front panel is a standard feature for ease of use. An optional mounting bracket (P/N 1321-0609-P1) is available to mount the system under a work-bench or shelf, preserving precious bench top space. The optional Instant-SetBack Cubby is available for the TD-100 ThermoDrive Soldering Iron to extend tip life, especially beneficial when Lead Free solders are used.

- o IntelliHeat® Control Technology
- o Digital Display & Keypad
- o °C/°F display options
- o Temperature SetBack
- o Auto-Off o Password lockout
- o Definable operating temperature range
- o ESD grounding jack
- o ESD Safe metal housing
- o Stackable



Specifications

Specifications	ST-50
System with TD-100 230v	8007-0514
System with PS-90 230v	8007-0533
Power Source Only 230v	8007-0515
Power Requirements	97-127 VAC, 50/60 Hz, 90 Watts max. 197-253 VAC, 50/60 Hz, 90 Watts max.
Dimensions	104mm (4.1") H x 130mm (5.1") W x 152mm (6.0") D
Weight	5 Kg (11 lbs.)
Control	
Control Technology	IntelliHeat
Tip to Ground Resistance	2 ohms or less
Temperature Accuracy	Meets or exceeds ANSI-J-STD 001
Absolute Temperature Stability	± 1.1°C (± 2 °F) at idle tip temp.
Temperature Range	Tip Heater Cartridge Technology Handpieces = 205°C to 454°C (400°F to 850°F) SensaTemp® Dial Control 176°C to 482°C (350°F to 900°F) SensaTemp® Digital Control 37°C to 482°C (100°F to 900°F)
System Can Be Calibrated	Yes

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PS-90 Soldering Tips

Tips	Description	Tip Size	Part Number
	1/16" Chisel (High Capacity)	1.60mm (0.063")	1121-0414-P5
	1/64" Conical	0.40mm (0.016")	1121-0357-P5
	1/64" Sharp Bent Conical	0.40mm (0.016")	1121-0830-P5
	1/32" Conical	0.80mm (0.031")	1121-0336-P5
	1/16" Chisel	1.60mm (0.063")	1121-0335-P5
	1/16" Chisel Long Reach	1.60mm (0.063")	1121-0499-P5
	1/8" Chisel	3.20mm (0.125")	1121-0337-P5
	1/32" Chisel	0.80mm (0.031")	1121-0359-P5
	3/32" Chisel	2.40mm (0.094")	1121-0360-P5
	1/16" Chisel, Extended Reach	1.60mm (0.063")	1121-0533-P5
	1/64" Bent Conical	0.40mm (0.016")	1121-0363-P5
	1/64" Bent Conical	0.40mm (0.016")	1121-0828-P5
	1/32" Conical, Extended Reach	0.80mm (0.031")	1121-0527-P5
	3/16" Chisel	4.80mm (0.188")	1121-0358-P5
	1/16" Chisel (MicroFine)	1.60mm (0.063")	1121-0349-P5
	1/16" Chisel, Thermo-Drive	1.60mm (0.063")	1121-0510-P5
	1/32" Bent Chisel	0.80mm (0.031")	1121-0361-P5
	1/8" Chisel, Thermo-Drive	3.20mm (0.125")	1121-0518-P5
	3/32" Chisel, Extended Reach	2.40mm (0.094")	1121-0529-P5
	1/16" Bent Chisel, Long Reach	1.60mm (0.063")	1121-0500-P5
	1/64" Conical Long Reach	0.40mm (0.016")	1121-0528-P5
	Angled Mini-Wave, Fine Pitch	1.80mm (0.07")	1121-0564-P5
	Angled Mini-Wave	2.40mm (0.09")	1121-0610-P5
	Single-Sided Chisel, Fine Pitch	1.50mm (0.06")	1121-0563-P5
	Single-Sided Chisel	3.30mm (0.13")	1121-0406-P5
	Mini-Wave	3.30mm (0.13")	1121-0490-P5
	Flat Blade	6.60mm (0.25")	1121-0402-P1
	Flat Blade	10.2mm (0.40")	1121-0305-P5

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