



Dip Tester For Selective Solder Machine DS-10S



The Dip Tester DS-10S for Selective Soldering Equipment improves process management efficiency by measuring Solder temperature, Soldering time, temperature rising condition, moving speed and solder dimensions a once.

Usage

- Solder Temp. Sensor
- Special Feature for DS-10S
- The sensor part with a small heat capacity accurately measure the solder temperature and atmosphere of the device.
- Dip Time Sensor
- Detect electrical continuity and measure solder contact time.
- Pre-heat Sensor
- Temperature sensor temperature rise and peak measurement in the sensor board allows relative control of the device state.
- Measurement of Moving Speed
- Measure the size of the nozzle by scanning X and Y on two dip time sensors.
- Profile Measurement
- Displays the profile of the solder temperature sensor and preheat sensor.

- DS-10S Software
- Perform various management such as OK/NG judgment and data analysis.
(Pre-heat temp. Dip time, Solder temp. X-Y speed, Solder size X, Y and etc.)

General Specifications

Items	
Cold contact point compensation	Compensation with platinum temp. measuring resistor
Ambient temp	150°C 5minutes max
External connection	USB (miniB connector)
Number of memory	1 (Max5 solder stage)
Sampling time	50ms (fix)
Outer dimensions ・ weight	78mm(D)X214mm(W)×43.6mm(H) ・ 820g
Power supply	AAA batteries x 2pcs

Measurement Data Specifications

Items	Sensor	Display	Measurement range	Accuracy
Solder temp.	K-type shath thermocouple	Digital LCD 3digit	0~330°C	±1°C※
PCB lower sarfce temp.	k-type thermo couple		0~330°C	±1°C※
Dip time	Electrode(2pcs.)		0~10sec.	
X,Y axis moving speed	Electrode(8pcs.)		0~20mm/sec.	
X,Y axis solder size	Electrode(8pcs.)		0~35mm	±0.2秒

	Calucurate from the moving speed & contact time to the electrodes			
Temp.profile	Preheat ▪ Solder temp.	PC software	0~330°C	±1°C※

- The above specifications are subject to change without notice.
- Measurement accuracy does not include the error of thermocouple and the reference junction temperature.