PAT.P

SWB-2

DIP WETTING TESTER

The entire procedure, from Flux application (with Flux Temperature Control Function) to Measurement End is automated.



- Reducing unstable measurement results, and user error with Automatic measurement in compliance with JIS Z3195.
- Wetting Balance Method is available (option), making it possible to measure micro parts such as 0402 size & etc.
- Easily change Solder and Flux when necessary.

SPECIAL FEATURES

- Reducing unstable measurement results, and user error.
- Micro Wetting Balance method enables for the evaluation of micro parts, such as 0402, 0603 size & etc.
 We offer Chip Placement System to install micro chip components on a jig. (option)
- Complies with the Wetting test method according to JIS Z3198 (Lead Free Solder Test Method) and Several International standards.
- The exclusive PC software efficiently analyze data, display the wave form & data on one screen together, save data & etc.
- An optional cover allows for wetting evaluation in a N₂ environment.

MEASUREMENT PROCEDURE | FLUX APPLICATION | FLUX REMOVAL | SOLDERING (MELTERS SOLDER MACHINE)

DISPLAY PANEL

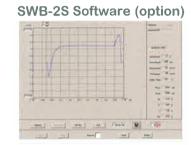
25.0°C 0.005 MN

25.0°C 5TANDBY

250.0°C 0.015 MN

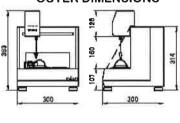
FMAX: 0.296 MN

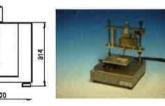
+8: 0.296 MN

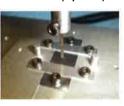


OUTER DIMENSIONS

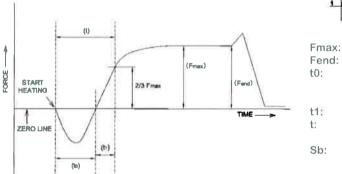
CHIP PLACEMENT SYSTEM (option)







WAVE FORM ANALYSIS



Maximum wetting force.

Wetting force at the end of wetting measurement.

The time at which wetting starts. The time from the start of measurement (when the test piece contacts the solder), changing negative wetting force into positive.

Wetting force. The time from the zero point to 2/3 of the max wetting force. The wetting time. The time from the start of measurement (when the test

piece contacts the solder) to 2/3 of the max wetting force.

Wetting stability. The ratio of the last wetting force and the max. wetting

force. Fend / Fmax x 100 (%)

STANDARD

JAPANESE STANDARD	Automatic Measurement (Flux Application, Removal and Measurement) JIS Z3198-4, C60068-2-54 & C6008-2-69 JEITA ET7411	
INTERNATIONAL STANDARD	ISO 9455-16 IEC 60068-2-54, 60068-2-69 ANSI J-STD-003, MIL-STD-883 (METHOD 2022.2) & IPC-TM-650 (2.4.14.2)	

SPECIFICATIONS

Load Sensor	Principle	Electro-Balance Sensor (EBS)	Solder Temp. Setting	Room Temp. ~400°C (Room Temp. ~320°C for Micro Wetting Balance Method)
	Measuring Range	30mN~-30mN	N. Measurement (option)	O₂ concentration: 500ppm max.
	Accuracy	±0.05mN	Power Supply	AC100, 115, 200, 220 & 240V 50/60Hz
	Resolution	0.01mN	Outer Dimension	330mm (D) x 300mm (W) x 370mm (H)
Temp. Sensor	Measuring Range	Room Temp. ~450°C	Weight	Approx. 16kg
	Accuracy	±3°C	Applicable OS	Windows 7 (32 & 64bit) / VISTA / XP (32bit)
Insertior Speed	Time, Depth,	1~200s, 0.01~20.00mm 0.01mm step, 0.1~30mm/s	Operating Environment	The above OS operates

^{*} The above specifications are subject to change without notice.

Soldering Process Devices LED Manufacturing Devices Bio-Technology Products

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