


HAKKO FX-838



Heavy Duty Soldering Station

2009.5.22.



Specification

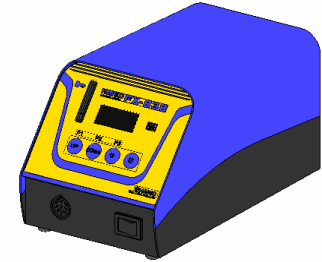
□ Station

Power Consumption	AC100V 50/60Hz 158W
Output voltage	AC27V
Temperature Range	200-500°C (400-930° F)
Temperature stability	±5°C (±9° F) at idle temperature
Dimensions	110(W) x 110(H) x 205(D)mm (4.3 x 4.3 x 8.1 in.)
Weight	3.2kg (7.1lb.)

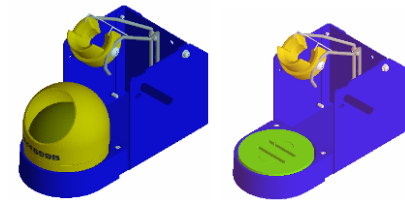
□ Iron

Model Name	HAKKO FX-8301
Power Consumption	AC27V 150W
Tip to Ground Resistance	<2Ω
Tip to Ground Potential	<2mV
Cord	1.2m
Total length (w/o cord)	175mm (6.9 in.) with 2.4D tip
Weight (w/o cord)	31g (0.068 lb.) with 2.4D tip

Feature

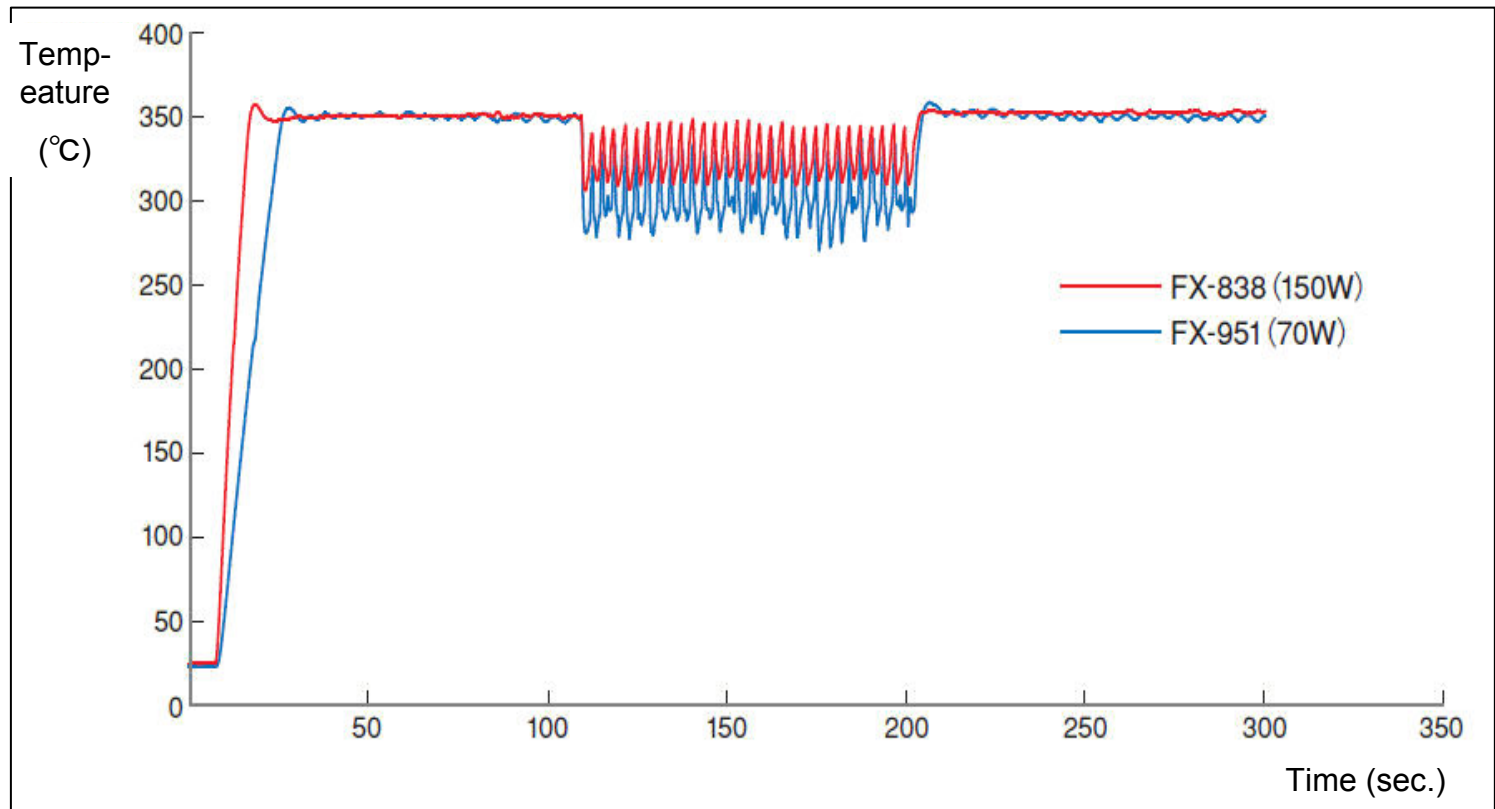


1. Excellent Thermal Recovery: ■ref. another page 4
2. Great thermal capacity: 150W (No.1 among HAKKO product line)
3. Applicable to microsoldering: ■ref. another page 5&6
4. High temperature range: Max. 500°C (HAKKO No.1)
5. Safe design with low voltage 27V; less than 30V
(It is assumed the voltage less than 30V is safe worldwide.)
6. Convenient with New design & New functions
7. Renewal of 938(soldering iron 917) ■ref. another page 8
8. New functions: ①Preset mode ②Auto sleep ③High Power mode ■ref. another page 9&10
9. Easy tip replacement ■ref. another page 11
10. Including both 599B and cleaning sponge



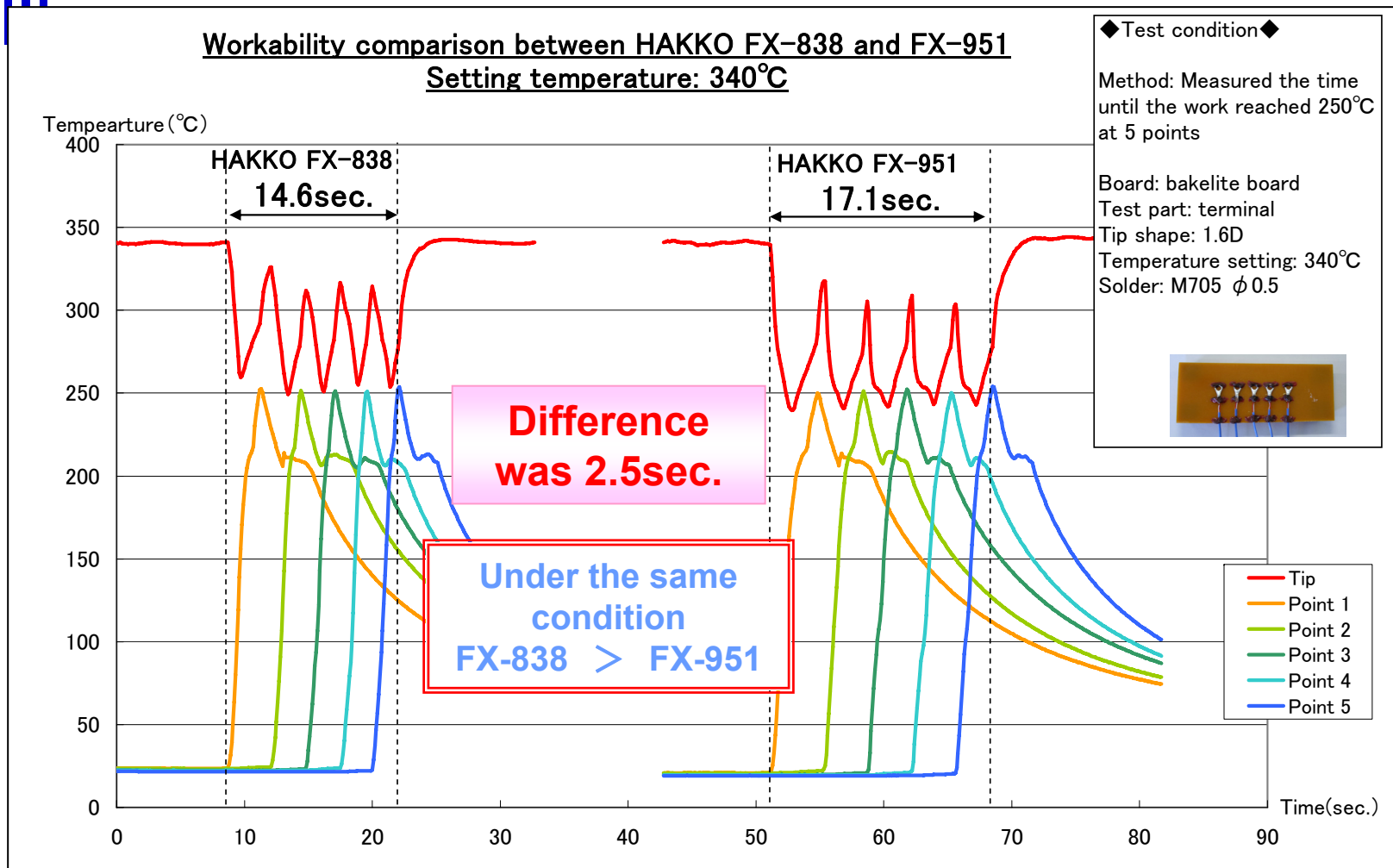
■ Feature: Excellent thermal recovery

□ Workability comparison graph



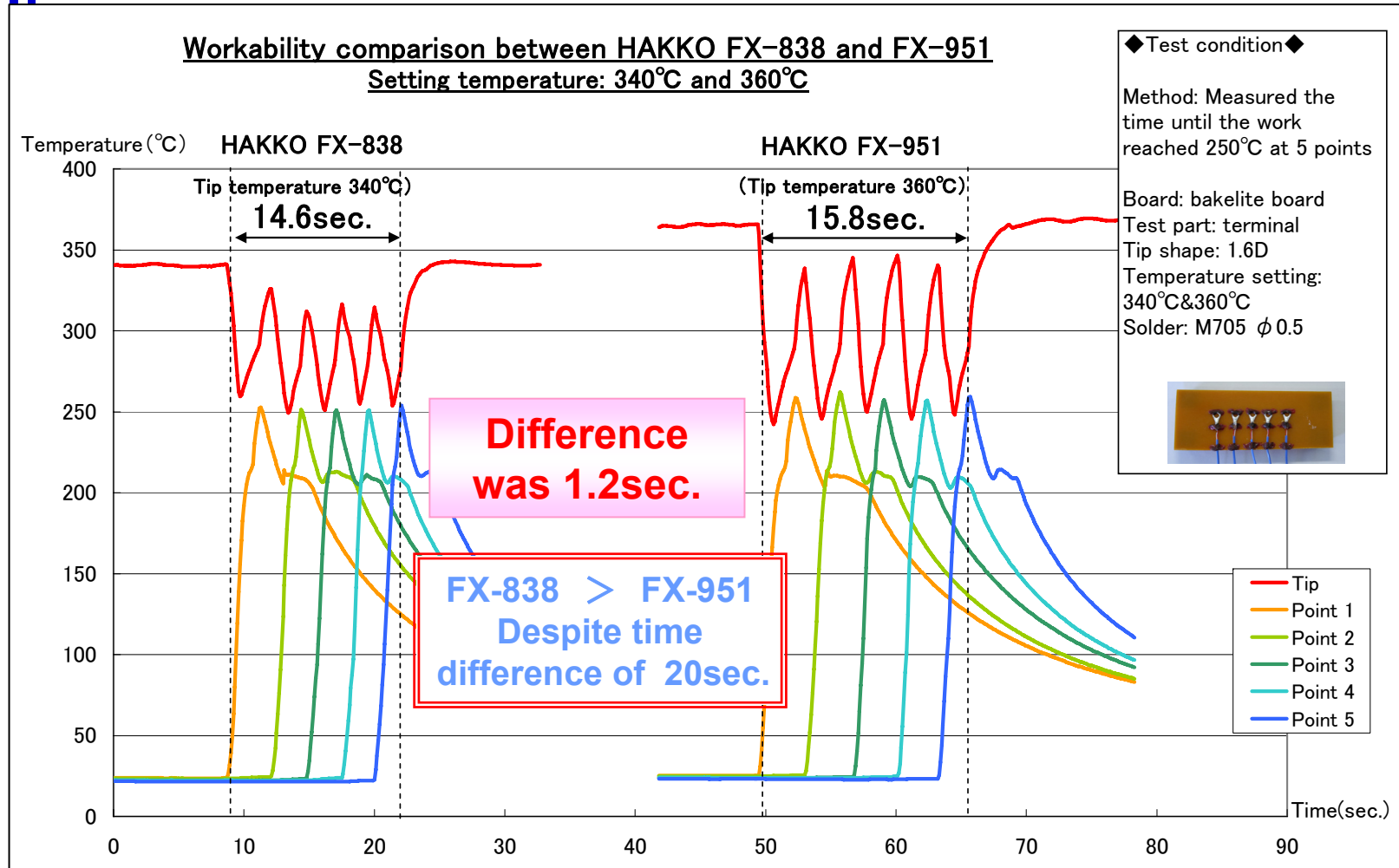
■ Feature: Applicable to microsoldering

Comparison of workability (compare with HAKKO FX-951①)



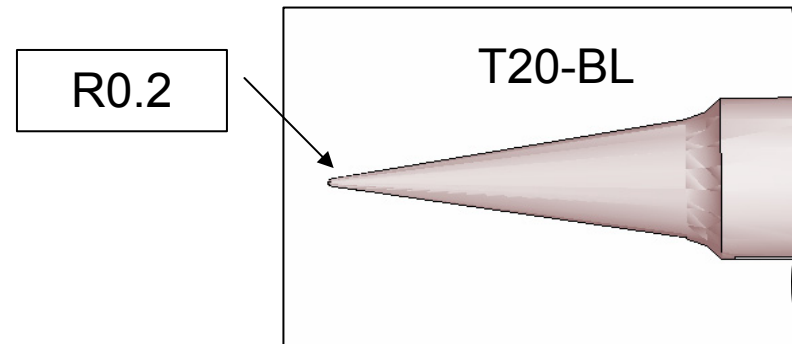
Feature: Applicable to microsoldering

Comparison of workability (compare with HAKKO FX-951②)



■ Feature: Applicable to microsoldering

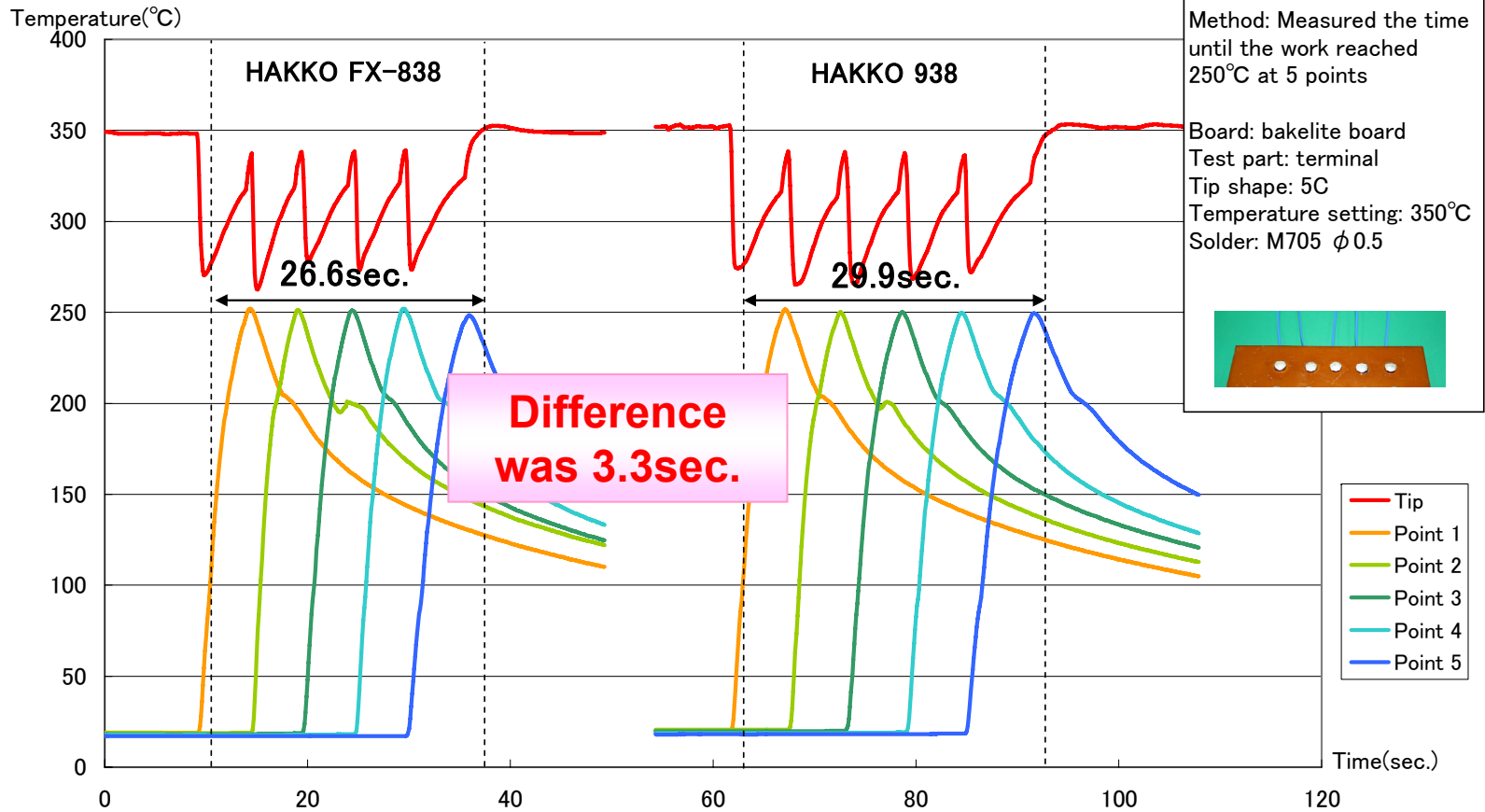
- Lineup of extra fine tip starting from $\Phi 0.2$



Comparison with HAKKO 938

Workability comparison between HAKKO FX-838 and 938

Time to reach 250°C



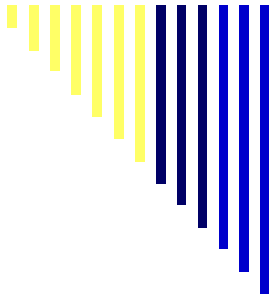


■ Feature: High-power mode

□ ③ High-power mode setting

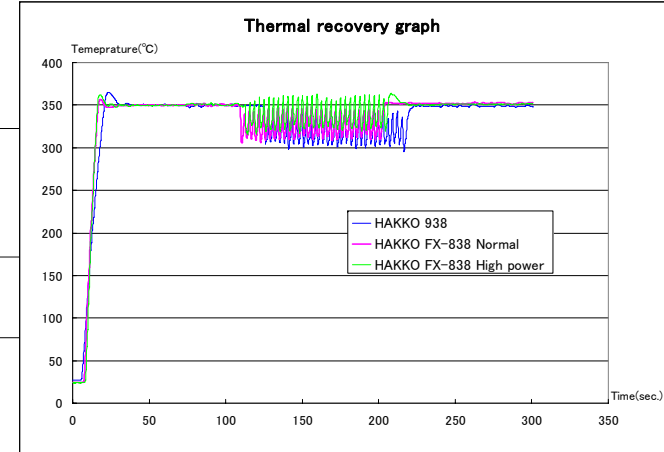
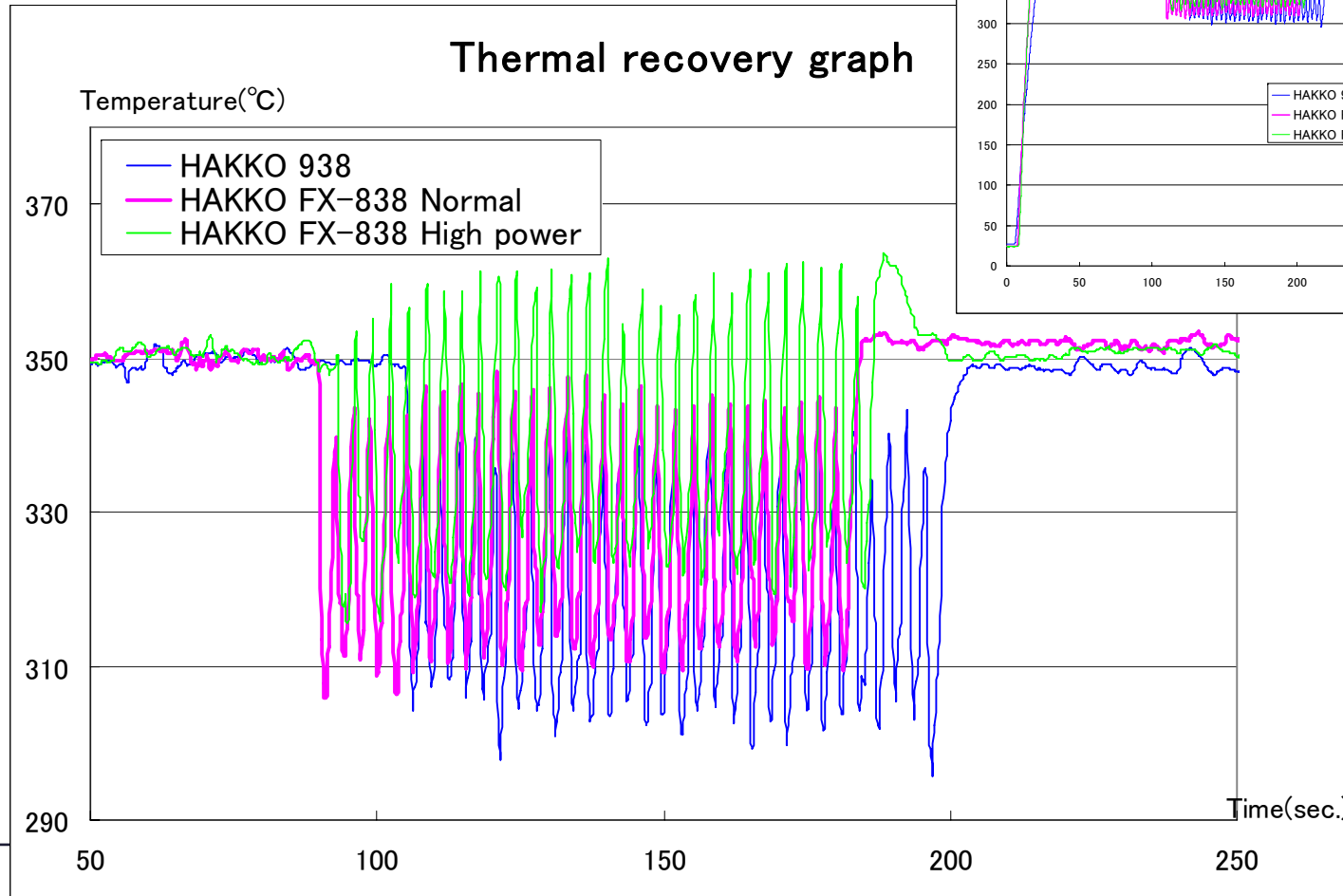
※HAKKO FX-838 provides greater power even in normal mode than HAKKO 938. High-power mode was equipped for those users who require high power for special application. When start-up, a slight thermal overshoot may arise. (In the catalog or brochure, we mentioned, “When this mode starts, fluctuation in temperature may occur”.) (See the graph on the next page)

LED display	Setting mode	Description
0	Normal power	Normal * factory default
1	High power	Quick start-up



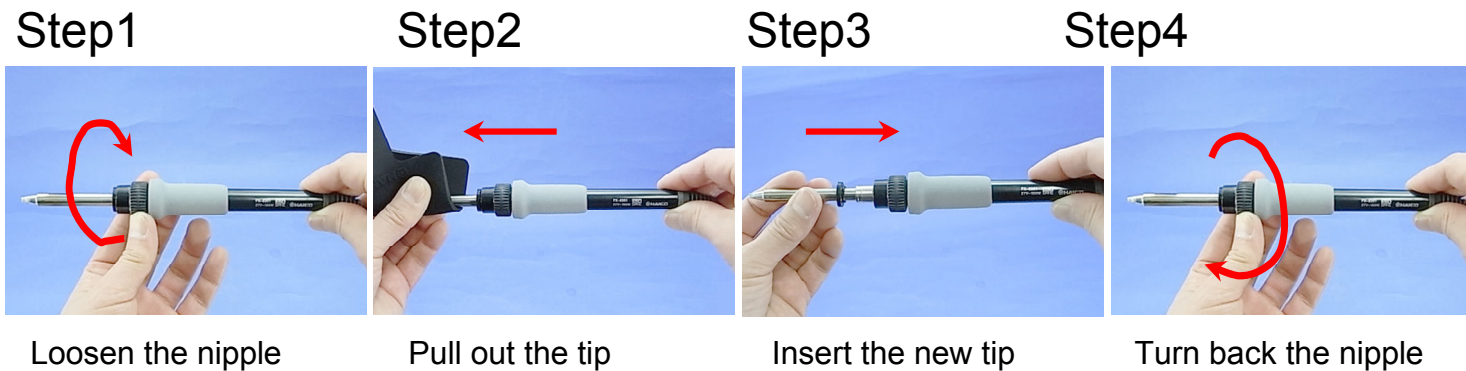
Feature: Excellent thermal recovery

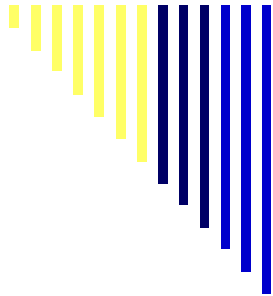
HAKKO FX-838(normal & high-power) & HAKKO 938



■ Feature: Easy to replace the tip

□ How to replace the tip?





Tip 20 shapes

Ref. catalog

T20 series	T10 series	Similarity	
Part No.	Part No.	Tip size, angle	Length
T20-B2	T10-B2	Similar	T20 is 1.5mm longer
T20-BC2	T10-BC2	Similar	T20 is 3.5mm longer
T20-BCF2	T10-BCF2	Similar	T20 is 3.5mm longer
T20-BC3	T10-BC3	Similar	T20 is 1.5mm longer
T20-BCF3	T10-BCF3	Similar	T20 is 1.5mm longer
T20-BC4	T10-BC4	Similar	T20 is 1.5mm longer
T20-BCF4	T10-BCF4	Similar	T20 is 1.5mm longer
T20-C5	T10-C5	Similar	T20 is 1.5mm longer
T20-C6	T10-C6	Similar	T20 is 1.5mm longer
T20-D16	T10-D16	Similar	T20 is 1.5mm longer
T20-D24	T10-D24	Similar	T20 is 1.5mm longer
T20-D32	T10-D32	Similar	T20 is 4.0mm longer
T20-D6	T10-D6	Similar	T20 is 3.5mm longer
T20-J02	T10-J02	Similar	Similar
T20-K	T10-K	Similar	Similar
T20-KU	T10-KU	Similar	Similar
T20-BL	T10-LB	Similar	T20 is 2.5mm longer
T20-BL2	—	—	—
T20-BL3	—	—	—
T20-BCM2	T10-BCM2	Similar	T20 is 3.5mm longer