THERMOMETER
191
INSTRUCTION MANUAL

1.Specifications

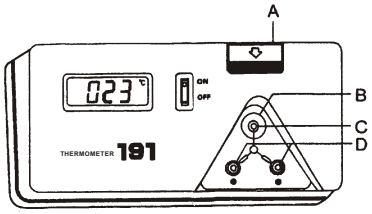
❶ Body

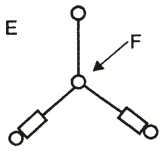
	Centigrade Type	Fahrenheit Type
No.	191	191B
Resolution	1℃	1°F
Range of Measurement	100℃ -600℃	0°F-1200°F
Applied Sensor	K(CA)Thermocouple	
Precision	±3℃ (in300℃-500℃range	±6°F (in572°F-932°Frange
Display	a)3.5-digit Liquid Crystal Display b)Bat tery Alarm c)Burn out	
Power Supply	006P.9V Dry Battery	
Battery Life	More than 150 hours	
Outer Dimensions	160(W)×45(H)×80(D)mm 6.3×1.8×3.1in	
Weight	Approx.200g(0.441 lbs.)	
Environmental Temperature Range	0℃-40℃ 0°F-104°F	

❷ Accessories

- 10Sensors
- 006P 9V Dry Battery
- Ring Plate

2.Name of Parts





A.Slide Button
B.Ring Plate
C.Slide Pole
D.Terminal
E.Sensor
F.Measuring Point

3.Operating Instruction

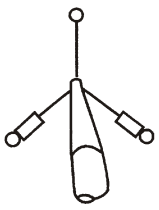
❶ Open the battery case on the back of the unit and insert the battery.
Be sure the battery is properly aligned.

❷ Attach the ring plate to the slide pole.

❸ Attach the red side of the sensor to the red terminal and blue side to the blue terminal.Push the slide button ane attach the remaining to the terminal.

❹ Turn the power switch on and check the diplay.When the display indicates room temperature,it's ready for use.

❺



Place fresh solder on the tip and apply the tip to the point to be measured.
The temperature will be displayed in 2to 3 seconds.

❻ Turn the unit off while it is not use.

4.Precantion

❶ The sensore are made of very thin (0.2ϕ) CA wire.Handle them with care.Do not apply heavy pressure or they will dreak.

❷ The body is made of plastic.Do not touch the body with the soldering tip.

❸ The measuring point is coated with a special metal alloy which will wear away after repeated measurements,resulting in inaccurate readings,Replacing the sensor with a new one will restore the measuring accuracy.The sensor has a useful llfe of approximately 50 readings.

❹ Use alcohol to remove any fiux adhering to the terminal.Do not use thinner or benzine.

❺ If the display shokws -/□□□ the sensor is burned out.An indefinite number will be displayed in the last three places.
Replace the sensor with a new one.

❻ If the display shows □□□ the battery is dead.
Accurate temperature will not be displayed.
Replace the battery with a fresh one.

5.Replacement Parts/Option

● **Replacement Parts**

Sensors(10 units)

No.	Name	
191-211	Sensor	10pcs.

● **Option**

No.	Name
A1310	• Temperature Probe

• For measuring the temp.of solder in the soldering pot.Remove the temp.sensor and connect to the terminal.(Place the red end on the side with the red dot,and blue end on the other side of the terminal.)Dip the tip of probe into the solder。

✱ Specifications subject to change without notice.