

EC DECLARATION OF CONFORMITY & GENERAL GUIDELINES 1

EC Declaration of Conformity

This is to certify that the 341K conforms to the protection requirements of the council directive 89/336/EEC, in the approximation of laws of the member states relating to Electromagnetic compatibility by application of the following standards:

EN 50081-1 **1992 Emissions Standard**
EN 50082-1 **1992 Immunity Standard**

To ensure conformity with these standards, this instrument must be operated in accordance with the instructions and specifications given in this manual.

General Guidelines

ALWAYS

- Test the 341K before using it to make sure it is operating properly.
- Inspect temperature probes before using to make sure there are no breaks or shorts.
- Double check all connections before testing.

NEVER

- Insert the probe into an electrically charged medium.
- Touch the probe tip and shaft after it has been inserted in hot material.

MEASUREMENT TECHNIQUES 3

⚠ WARNING: Please follow manufacturers test procedures whenever possible. Make sure probe tip and shaft are thoroughly cleaned before inserting it into any food product.

1. Controls and Functions:

Push Buttons

- Ⓛ Turns the 341K on and off.
- °C or °F Selects Centigrade of Fahrenheit
- MIN/MAX** Selects Min or Max reading measured
- HOLD** Freezes the reading on the LCD

2. Step by Step Procedures

- Connect a temperature probe or probes to the 341K.
- Turn the 341K on.
- Select °C or °F.
- Insert the tip of the probe into the substance being measured.
- Read the temperature on the LCD, allowing approximately 30 seconds for the reading to stabilize.

3. MIN/MAX Measurements

- Follow step 2 above and then press and hold the MIN/MAX button until REC is displayed on the LCD.
- Pressing the MIN/MAX button will cycle through MIN, MAX and actual readings.
- Hold down the MIN/MAX button for 3 seconds to exit.

TECHNICAL DATA 2

Features

Auto Power Off Instrument automatically shuts off after 20 minutes of inactivity. To disable this feature, with the instrument off press and hold down the HOLD key and the ON/OFF key. "----" will be displayed to indicate auto off is disabled. Reverse this process to enable auto off. "APO" will be displayed to indicate this feature is enabled.

Specifications

Input Type : K-Type Thermocouple Probe

Range	Accuracy
-58° to 32°F (-50° to 0°C)	±3°F (1.6°C)
32° to 1100°F (0° to 600°C)	±(0.3% of reading, + 1.8°F (1°C))
1100° to 2462°F (600° to 1350°C)	±(0.4% of reading, + 1.8°F (1°C))

General Specifications

Display	LCD, 4 Digits, 9999 counts
Update Rate	2.5 times per second
Operating Temperature	32° to 122°F (0° to 50°C)
Storage Temperature	-13° to 158°F (-25° to 70°C)
Power Supply	9 Volt Alkaline Battery
Battery Life	200 hrs. Typical
Size (HxLxW)	40mm x 190mm x 65mm (1.5" x 7.25" x 2.5")
Weight	315g (11.1 oz)

FIELD CALIBRATION 4

The 341K has the ability to be field calibrated. Accuracy of +/-1°F within the 30°F to 120°F range can be achieved by performing an ice bath calibration.

The temperature of an ice bath is approximately 32°F (0°C). Fill a plastic or metal container with crushed ice and add clean water to a depth of at least 4 inches. Stir the ice and water for 2 to 3 minutes prior to performing calibration to ensure the water is completely chilled. Make certain there is plenty of ice in the mixture and always use clean water. Distilled water works well.

1. Step by Step Procedures

- Begin with the instrument turned off. Connect a temperature probe to the 341K.
- Press and hold down the **MIN/MAX**, **HOLD**, and **ON/OFF** buttons until "CALF" is displayed. Release the buttons and "CH1" will display.
- Insert the probe into the ice bath and allow the readings to stabilize. Stir the bath as necessary. Until the measured temperature drops below 37°F (3°C) "CH1" will be displayed.
- Once the reading has stabilized press the **HOLD** button. "SAVE" will be displayed and calibration is complete.

FOR FULL FACTORY CALIBRATION PLEASE RETURN YOUR THERMOMETER TO:

TPI / ATTN: SERVICE DEPT.
9615 SW ALLEN BLVD SUITE 104
BEAVERTON, OR 97005

Temperature Tester 341K Instruction Manual



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Standard Accessories

Part No.

9V Battery	A009
Temperature Probe (2 each)	GK11M
Protective Boot	A303
Soft Pouch	A255
Instruction manual	

Optional Accessories

Part No.

Probes	See Catalog
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MAINTENANCE

- Battery Replacement:** The 341K will display battery symbol when the internal 9 Volt battery needs replacement. Replace battery as follows:
 - Disconnect and remove all temperature probes from 341K.
 - Loosen the 4 screws from the back of the 341K.
 - Remove the back cover.
 - Remove old battery and replace it with new battery.
 - Reassemble instrument in reverse order from above.
- Cleaning your 341K**
Use a mild detergent and slightly damp cloth to clean the surfaces of 341K.