

DIGITAL PYROMETER MANUAL

OPERATION

Press button to turn on digital pyrometer. The pyrometer will display the message -ON- for a few seconds while pyrometer initializes. After initialization the display will change to the current thermocouple temperature in Fahrenheit. To change the temperature scale, see the section labeled selectable temperature scale below. After using the digital pyrometer press the button again to turn off pyrometer.

SELECTABLE TEMPERATURE SCALE

When the digital pyrometer is turned on temperature will be displayed in Fahrenheit. To change the temperature scale, follow these directions.

1. Press and hold the button for five seconds. After five seconds the display will change to °F. The controller will always display °F even if it had previously been set to °C.
2. Pressing and releasing the button will now change the displayed option. Press button once and the display will change to °C. Press button again and the display will revert to °F.
3. When the correct option is selected do not press the button again. Wait five seconds and the controller will return to displaying the temperature. The temperature scale has been selected.

LOW BATTERY WARNING

When the battery starts to run out of power the controller will display the message “bat” for one second every five seconds. When this “bat” warning message is displayed the temperature readings may no longer be accurate. It is time to replace the batteries.

AUTOMATIC SHUT OFF

After six minutes of operation the pyrometer will shut off in order to conserve battery life.

THERMOCOUPLE FAIL

If the pyrometer senses that a thermocouple is not connected or the thermocouple is broken the message “FAIL” will be displayed. This warning can only protect against a broken thermocouple. It is not possible to detect if the thermocouple has lost calibration.