



TL3 INSTRUCTIONS

INTRODUCTION

This manual describes the basic function and use instructions for model TL3 portable digital reference thermometer instruments. The instruments are not intended for use in permanent outdoor installations and are not intended or tested for icing conditions.

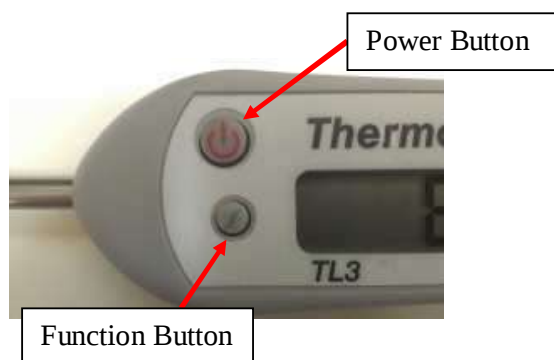
BATTERY REPLACEMENT (Type CR2032)

Remove the single screw and back cover on the TL3 to access the battery.

IMMERSION DEPTH

For best measurement results, a minimum immersion depth of 4 inches into the temperature source is recommended.

USER INTERFACE



“Power” Button

Pressing the Power button once will turn on the device. The instrument will shut off automatically within 20 minutes. Pressing and holding the Power button for 4 seconds will disable the Auto-off feature. (‘Conn’ will flash momentarily to indicate Continuous operation). Pressing and holding the Power button will shut the instrument off and clear all logged and averaged readings.

<i>Power button</i>	<i>Operation</i>	<i>Display</i>
<i>One quick push</i>	Power On	
<i>Hold 4 seconds</i>	Enable Continuous operation	“Conn”
<i>Hold and Release</i> when display reads “oFF”	Power Off (Clears Readings)	“oFF”

Function “f” button

Press and Hold the Function Button “f” to display options in a **menu** format. When the desired function is displayed release the button.

Hold and Release when the display reads:	Function (“f”)	Example on Display
“Fn”	Displays Lowest, Average and Highest readings	78.61 L, 78.70 A, 78.93 H
“C-F”	Changes units	“76.3 F” or “24.6 C”
“dEC”	(0.1 or 0.01)	“76.3 F” or “24.6 C”

Notes:

1. As soon as the TL3 is turned on, the minimum, maximum and average data is continuously updated. Wait 20 seconds after power-on to allow collection of readings before viewing minimum, average and maximum.

Display Arrows

The Arrows on the left side of the screen will show you at a glance as to whether the reading is increasing, decreasing or has stabilized. The *Up Arrow* indicates an increasing temperature, the *Down Arrow* a decreasing temperature and no arrows a stabilized status.

Battery Check

When the voltage of the batteries is low, the device will indicate “Lo bAtt” on the display before resuming normal display functions. Do not attempt to calibrate the instrument if the “Lo bAtt” has been displayed since the new calibration values may not be properly stored to memory.

Error Codes

ErrHI indicates an over range reading, meaning the temperature at the sensor has risen above the specified limit of the unit. This also may indicate an open-circuit condition in the unit which may require repair.

ErrLO indicates a below range reading, meaning the temperature at the sensor has dropped below the specified limit of the unit. This also may indicate a short-circuit condition in the unit which may require repair.

CALIBRATION

Calibration service is available from ThermoProbe, Inc. and authorized distributors. Contact ThermoProbe, Inc. for requirements if onsite calibration is desired.

AUTHORIZED REPAIR

It is recommended that service beyond the scope of this manual be performed by ThermoProbe, Inc. or one of its authorized distributors.