



W.L. Walker Co., Inc.

Walker Tulsa Ranger™

FEATURES

- User selectable auto-off timer to save battery life
- Resolution of 0.1 and 0.01
- 10-minute timer on backlight to save battery life
- Averaging function
- Auto-Sample function with average feature
- Easy F to C switching
- Backlit LCD with indicating arrows indicating rate of change
- 3 Point calibration
- Rotating rigid probe
- Cable units available
- Stainless Steel unit available
- Machine Billet Aluminum body
- Anodized coating for corrosion protection
- Highly durable membrane switch faceplate
- Glow in the dark keypad
- Auto backlight upon power up function (Hold)
- Data Logging through Hidden Data Port via custom USB cable (Upon request).
- Custom Protective Case available for units with cabled probes.
- Custom Anodized Aluminum Case Included with Rigid Rangers Models.



SPECIFICATIONS

Display: Amber backlit LCD with 0.45" characters with trend indication arrows and low battery and fault indication

User Function: Auto sample function with averaging

Temperature list with averaging function

Switchable from °F to °C

Selectable Resolution of 0.1 or 0.01

User Selectable auto-off timer

Construction: Stainless steel temperature probe and sensor.

Electronics and display in CNC machined anodized Aluminum enclosure.

Highly durable display window, graphics and membrane switches.

Weight: .7lbs

Temperature: Resolution to 0.01 Degrees

Average Calibrated Accuracy: $\pm 0.080^{\circ}\text{F}$ (32 $^{\circ}$ -300 $^{\circ}$ F) & $\pm 0.048^{\circ}\text{C}$ (0 $^{\circ}$ -150 $^{\circ}\text{C}$)

Time Constant: 7 seconds in circulated water bath Constant: (63.2% response to temperature change)

Electronics: Ultra Low Power Microcontroller, FLASH Memory, 20 bit A/D Converter

Recommended Ambient Temperature Range for best accuracy 32 to 112 F, 0 to 44 C

Sensor: 100 Ohm, Class A Platinum RTD

Immersion depth 4", 11cm

Battery: Energizer Ultimate Lithium L92 Intrinsically Safe Rated AAA

Battery life (depending upon use) 25-150 hrs

Battery Operating Range: -40 $^{\circ}\text{C}$ to 60 $^{\circ}\text{C}$ (-40 $^{\circ}\text{F}$ to 140 $^{\circ}\text{F}$)

Note: Battery may not provide adequate power if ambient temperature is below Battery Operating Range.

TYPICAL APPLICATIONS

Custody transfer, temperature baths, reference, temperature calibration for flow meters, thermowells, provers, reference, distillations, melting point tests, and flash point tests.

Industries: Laboratory, Petroleum, Pipeline, Pharmaceutical, Food & many more.

Certifications: Intrinsically safe for use in Class I, Division I Groups A, B, C, & D.

Class 1, Zone 0, Group IIC Hazardous Locations

CSA C/US

A/Ex ia IIC T4

