



W.L. Walker Co., Inc.

ISOTHERM MK IIs Spec Sheet

FEATURES

- User selectable auto-off timer to save battery life
- Resolution of 0.1 or 0.01
- 10-minute timer on backlight to save battery life
- Averaging function
- Auto-Sample function with average feature
- F to C switching
- Backlit LCD with indicating arrows indicating rate of change
- 3 Point calibration
- Cable units available
- Machine Billet Aluminum body
- Anodized coating for corrosion protection
- Highly durable recessed 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



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 4" x 2" x 7" anodized Aluminum enclosure.
Highly durable display window, graphics and membrane switches.

Weight: Weight depends on cable length and probe style,
75' ¾ diameter probe unit 3.9 Lbs

Temperature: Resolution to 0.01 Degrees
Average Calibrated Accuracy: ±0.080°F (32°-300° F) & ±0.048°C (0°-150°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 L91 Intrinsically Safe Rated AA
Battery life (depending upon use) 25-150 hrs
Battery Operating Range: -40°C to 60°C (-40°F to 140°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

