

## **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

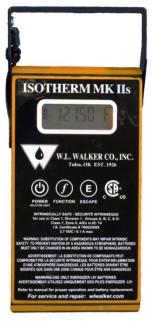
Selectable Resolution of 0.1 or 0.01

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.



	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.

Weight depends on cable length and probe style,

## **TYPICAL APPLICATIONS**

Weight:

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

