

## Refrigerator/Freezer Thermometer

The McKesson triple display digital thermometer simultaneously shows the current, minimum and maximum temperatures and updates continuously. An audible and visual alarm will trigger when the temperatures goes above or below the set temperatures. The minimum/maximum feature monitors critical temperatures for any period of time, such as overnight or weekends. To comply with regulatory requirements, time-stamped thermometers provide the date and time when the temperature being monitored exceeds the minimum and maximum settings and in real time. Also, an audible alarm will sound and the flashing LED will be visible. Each thermometer is certified, serialized and traceable to NIST in Thermco's ISO17025 (Accreditation No. 69071) Calibration Laboratory and accredited by ILAC-MRA to assure accuracy and compliance with regulatory agencies.

### Features and Benefits

**MCK821RFV and MCK821RFV2**  
**Refrigerator/Freezer Thermometer**  
**TRIPLE DISPLAY | SINGLE & DUAL PROBE**

- Visual LED and audible beeping alarms
- Bio-safe glycol/water probe medium
- Standard size vaccine bottles
- NIST traceable
- Min-Max temp with time and date stamp
- Readings in memory
- Low/high alarm limit setting
- Not made with natural rubber latex

### Specification:

Measuring range: -50 ~ 70°C (-58 ~ 158°F)

Display accuracy: ±0.3°C (±0.5°F)

Display resolution: 0.1°

Display update: 10 seconds

Alarm Setting resolution: 0.1°

Time accuracy: ±1 second per day

Time display format: 12 or 24 hours format

Date display format: d/m/y or m/d/y user option

Effective calendar period: 2013 ~ 2099

Battery life: ~8000 hours

Working temperature: 0 ~ 50°C / 32 ~ 122°F

Display size: 47 (W) x 39 (H) mm

Sensor cable length: 3200 mm

Sensor bottle size: 19.5 (Φ) x 40 (H) mm PE bottle

Product size: 75 (W) x 124 (H) x 19 (D) mm

Accessories: x2 1.5 volt, type AAA battery • x1 sensor in bottle



## Refrigerator/Freezer Thermometer

The McKesson triple display digital thermometer simultaneously shows the current, minimum and maximum temperatures and updates continuously. An audible alarm will sound when the temperature rises above or goes below the set temperatures. The minimum/maximum feature monitors critical temperature for any period of time, such as overnight or weekends. Reset buttons are conveniently located on the front panel for ease of use. Each thermometer is certified and traceable to NIST. Each thermometer is serialized. The thermometer probe is housed in an unbreakable plastic bottle or vial filled with a bio-safe glycol/water or sand buffering media which maintains the thermometer reading when the instrument door is opened. The thermometer and the bottle housing the probe have dual magnets allowing attachment to doors or walls of the instrument. Other features include a flip-open stand, wall-mounting key hole and an included AAA alkaline battery. The instrument can display temperatures in Celsius or Fahrenheit.

### Features and Benefits

#### MCK895RFV

#### Refrigerator/Freezer Thermometer

#### TRIPLE DISPLAY | SINGLE PROBE | LARGE DIGIT

- NIST traceable
- Bio-safe glycol/water probe medium
- Minimum and maximum reading memories with real time and date stamp
- Low/high alarm limit setting programmable in 1° increments
- Audible and LED alarm feature provides alert when temperature exceeds set points
- Low/high alarm limit setting
- Not made with natural rubber latex

#### Specification:

Measuring range: • (Internal Sensor ) 0 to 50°C (32 to 122°F)  
• (External probe) -50 to 70°C (-58 to 158°F)

Display Accuracy:  $\pm 0.5^{\circ}\text{C}$  /  $\pm 0.9^{\circ}\text{F}$  over full range

Display Resolution: 0.1°

Display Refresh Rate: 10 seconds

Battery: 1.5v, type AAA x1 piece

Display size: 79w x 65h mm

Thermometer size: 96w x 108h x 19d mm



## Refrigerator/Freezer Thermometer

### Features and Benefits

**MCK895WRFT**

**Wireless Refrigerator/Freezer Thermometer**

**TRIPLE DISPLAY | SINGLE PROBE | LARGE DIGIT**

- NIST traceable
- Monitor refrigerators and freezers up to 30 feet away with wireless temperature sensor
- 164 Foot open field / 32 Foot Inside Fridge wireless distance
- Triple display shows current, minimum and maximum temperatures
- Programmable low and high alarm limit
- 3 channels temp measurement: Internal - devices with ambient temp, External - probe with bottle, wireless - Bluetooth transmitters
- Not made with natural rubber latex

### Specification:

Measuring range: -58° to +158°F (-50° to +70°C) External Bottle Sensor, -40° to +122°F (-40° to +50°C) Wireless Bottle Sensor

Display Accuracy:  $\pm 0.5^{\circ}\text{C}$  /  $\pm 0.9^{\circ}\text{F}$  over full range

Display Resolution: 0.1°

Display Refresh Rate: Every 10 seconds / Every 30 Seconds in Wireless Mode

Battery: 1.5v, type AAA x1 piece

Display size: 79w x 65h mm

Thermometer size: 96w x 108h x 19d mm



## Refrigerator/Freezer Thermometer

The McKesson versatile fridge/freezer dual channel thermometer records the date and time of the minimum and maximum readings, while independently monitoring user programmable high and low alarms. The unit incorporates an audible and visual LED programmable alarm that indicates when the temperature is outside the set limits. The alarm is programmable in 1° increments. Three foot micro-cable permits refrigerator or freezer doors to close without obstruction. Each thermometer is housed in an ABS case and has two magnetic pads for appliance mounting and a flip out desk stand. It's a perfect device for measuring and tracking temperatures related to the cold storage of food, chemicals, pharmaceuticals, vaccines, and more.

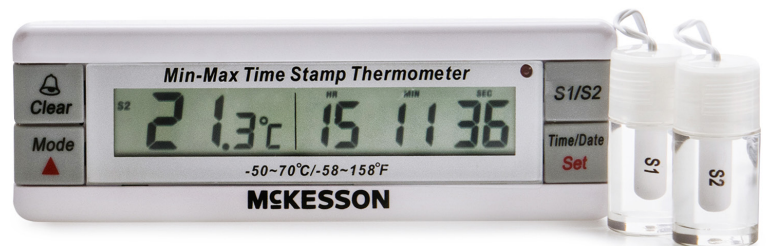
### Features and Benefits

#### MCK8100MATB

#### Refrigerator/Freezer Thermometer

#### DUAL PROBE

- NIST traceable
- Traceable certificate supplied
- Bio-safe glycol/water probe medium
- Minimum and maximum reading memories with real time and date stamp
- Low/high alarm limit setting programmable in 1° increments
- Audible and LED alarm feature provides alert when temperature exceeds set points
- Replaceable sensor in bottles
- Not made with natural rubber latex



#### Specification:

Measuring range: -40 to 70°C (-40 to 158°F)

Display accuracy: ±1°C

Display resolution: 0.1°

Display update: 10 seconds

Display Refresh Rate: 10 seconds

Programmable Alarm: 1° increments

Alarm Duration Counter: 99 hours and 59 minutes

Probe Cord Length: 1,000mm

Display Size: 90(w) x 16(h) mm

Product Size: 135(w) x 45(h) x 23(d) mm

Battery: x2 1.5v, type AAA

## Refrigerator/Freezer Thermometer

The McKesson data logger thermometer is designed to meet today's CDC and VFC requirements for vaccine storage and monitoring. It is a self contained data logger that requires no PC software to generate a complete Excel CVS report. Monitor both the ambient room and refrigerator (or freezer) temperatures simultaneously. It includes a large, easy-to-read display for viewing the current room and external bottle probe temperatures, min and max recorded temperatures, time and battery strength. Each thermometer is certified, serialized and traceable to NIST in Thermco's own ISO17025 Calibration Laboratory, accredited by ILAC-MRA to assure accuracy and compliance with all regulatory requirements. (Accreditation No. 69071)

### Features and Benefits

#### **MCK80021P & MCK80022P Refrigerator/Freezer Thermometer(s) DATA LOGGER | SINGLE & DUAL PROBE**

- NIST/ILAC-MRA traceable
- Traceable certificate supplied
- Log 24 million readings on 2G micro SD card
- Retrieve data from logger with removable SD memory card or by USB cable to PC
- Logger records int/ext min/max temps into memory
- Battery life approximately 10 months in continuous operation with no alarm triggered
- Exceeds government vaccine monitoring guidelines CDC / VFC
- Not made with natural rubber latex



### Specification:

Measuring range: External: -30 ~ 70°C (-22 ~ 158°F) (bottle probe)  
Internal: 0 ~ 50°C (32 ~ 122°F)

Display accuracy: ±0.5°C / ±0.9°F over full range

Display resolution: 0.1°

Display reading update: 10 seconds

Memory: Removable 2G micro SD card / Max 170 files (.csv)

Memory capacity: 24 million readings

Data logging interval: Once per minute to once per 720 minutes  
user option

Alarm limit setting resolution: 0.1°

Default alarm value: Low: 0°C, High: 50°C

Time accuracy: ±1 second per day

Time display format: 12 / 24 hours format user option

Effective calendar period: 2014 ~ 2099

Battery: 1.5 volt, type AA or equivalent x3 pieces

Battery life: Approximately 2000 hours in continuous operation  
with no alarm triggered

Working ambient temperature: 0 ~ 50°C (32 ~ 122°F)

Display size: 70(W) x 64(H) mm

External sensor cable length: 2000 mm

External sensor bottle size: 19.5(Φ) x 40(H) mm PE bottle

Product size: 94(W) x 110(H) x 26(D) mm

+Accessories:

- 1.5 volt, type AA battery x3, External bottle sensor x1
- Mini USB cable 1000mm length x1, 100-240V power adapter x1
- Micro SD card USB adapter x1



# Refrigerator/Freezer Thermometer

## Features and Benefits

### MCKSL2021

### Wireless Refrigerator/Freezer Thermometer

### DATA LOGGER

- Color display
- Touch screen
- Up to 2 wireless temperature sensors
- Transmitter with signal strength and battery level
- Ambient room temperature and humidity
- SMS and email alerts
- Enterprise network login
- Reports in .PDF format
- No PC software
- Not made with natural rubber latex

## Specification:

### SmartLOG® Monitor Gateway

Wi-Fi: 802.11 b/g/n (2.4 GHz only)

Security: WPA/WPA2 enterprise

Display: 240 x 320 pixel TFT color display with touch screen

Screen update: 60 seconds

Memory: 16MB (2 years of records @ 5 minute intervals)

Ambient sensor: Temperature range  
-40 to +125°C (-40°F to 257°F)

Humidity range 0-100%RH

Alarms: Audible Piezo Buzzer/Visual LED/SMS/Email

Date/Time: NTP clock synchronization every 7 days

Power: 5v via wall adapter w/ 5' micro USB cable

Batteries: Alkaline 1.5v 3 x AA (for power loss backup only)

Battery life: ~ 1 week with no alarms

(NOTE: replace all batteries after any power loss of more than 1 day)

Working temp: -20 °C ~ 70 °C

Dimensions: 83 (W) X 120 (H) X 26 (D) mm

### Sensor Transmitter

Temperature range: -40C to 50°C (-40°F to 122°F)

Accuracy: ±0.5°C (±1.0°F)

Distance: 50m/164ft (open field), 10m/32ft (inside fridge/freezer)

Buffer medium: Glycol

Batteries: Alkaline 1.5v 2 x AAA

Battery Life: ~1yr

Certification: 2yr NIST ISO17025 Traceability, Certificate Included



# Refrigerator/Freezer Thermometer

## Features and Benefits

**MCK8019UL**

**Data Logging Thermometer**

**ULTRA LOW | DUAL PROBE**

- High accuracy
- About 24 million readings logging
- Dual probe, monitor refrigerator and freezer simultaneously
- Ultra Low can measure down to -80°C
- Minimum & maximum reading maintained in memory
- User-configurable low/high alarm limits setting
- Flashing LED alarm indicator
- Real time display
- Waterproof external sensors
- Low battery indication
- Removable SD card
- CSV file data format
- Optional external power supply
- Not made with natural rubber latex

## Specification:

Measuring range: -80~70°C (-112~158°F)

Display accuracy: ±0.3°C (±0.6°F) -20~50°C (-4~-58°F),  
±0.5°C (±0.9°F otherwise)

Display resolution: 0.1°

Display reading update: 10 seconds

Memory: Removable micro SD card

Memory capacity: About 24 million readings, 1500 files

Data logging interval: One minute to 720 minutes, user-configurable  
default value is 5 minutes

Alarm limit setting resolution: 0.1°

Default alarm value Low -10°C, High 50°C

Time accuracy: ±1 second per day

Time display format: 12/24 hours format user option

Effective calendar period: Through 2099

Battery: 1.5 volt, type AA or equivalent x 3 pieces

Battery life: About 2,000 hours in continuous operation with no alarm

Working ambient temperature: 0~50°C (32~122°F)

Display size: 54(W) x 64(H) mm



## ORDERING INFORMATION

MFR #	DESCRIPTION	QTY
MCK821RFV	Refrigerator/Freezer Thermometer, Triple Display, Single Probe, Large Digit, Thermometer range is -58 To 158° F (-50 To 70° C)	1 ea, 1 bx
MCK821RFV2	Refrigerator/Freezer Thermometer, Triple Display, Dual Probe, Large Digit, Thermometer range is -58 To 158° F (-50 To 70° C)	1 ea, 1 bx
MCK895RFV	Refrigerator/Freezer Thermometer, Single Probe, Large Digit, Thermometer range is -58 To 158° F (-50 To 70° C)	1 bx
MCK895WRFT	Wireless Refrigerator/Freezer Thermometer, Triple Display, Single Probe, Large Digit, Thermometer range is -58° to +158°F (-50° to +70°C), External Bottle Sensor range is -40° to +122°F (-40° to +50°C), Wireless Bottle Sensor Internal Sensor / 2 Bottle Probes Flip-out Stand / Wall Mount Battery Operated	1 bx
MCK8100MATB	Refrigerator/Freezer Thermometer, Dual Probe Thermometer range is -58 To 158° F (-50 To 70° C)	1 ea, 1 bx
MCK80021P	Refrigerator/Freezer Thermometer, Data Logger, Single Probe, Software-less Reporting, Thermometer range is -58 to 158° F (-50 To 70° C)	1 ea, 1 bx
MCK80022P	Refrigerator/Freezer Thermometer, Data Logger, Dual Probe, Software-less Reporting, Thermometer range is -58 to 158° F (-50 To 70° C) -58 to 158° F (-50 To 70° C)	1 ea, 1 bx
MCKSL2021	Wireless Refrigerator/Freezer Thermometer, Data Logger, Wireless External -40 F to 122°F (-40 to 50°C): wireless sensor probe; Internal, -40 to 257°F (-40 to 125°C)	1 ea, 1 bx
MCK8019UL	Data Logging Thermometer, Ultra Low, Dual Probe, External, -112 to 158°F (-80 to 70°C): sensor probe. Internal, 32 to 122°F (0 to 50°C)	1 ea, 1 bx
MCKACCRTAMB	Ambient Room Temperature Sensor, For use with the McKesson Dual Probe Data Logger Refrigerator/ Freezer Thermometer, MFR # MCK80022P	1 ea

### Satisfaction Guaranteed

For complete details, please visit  
[mms.mckesson.com/mckesson-brands](https://mms.mckesson.com/mckesson-brands).

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