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**TECHNICAL BULLETIN  
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**CONTACT INFO**

**Lancer Sales:** (800) 729-1500

**Lancer Customer Service:** (800) 729-1500

**Lancer Warranty:** (800) 729-1550

**Lancer USA:** (210) 310-7000

**Canada:** (210) 310-7187

**Latin America:** (210) 310-7000

**International Sales:** (210) 310-7063

**Europe:** 32-2-755-2390

**Australia/New Zealand:** 61-8-8268-1388

**Email:** [custserv@lancercorp.com](mailto:custserv@lancercorp.com)

**Lancer Website:** [www.lancercorp.com](http://www.lancercorp.com)



# Introducing the MK9 and MK10 CO<sub>2</sub> Safety Systems

Technical Bulletin Reference No. 2203-001

Lancer is pleased to announce the release of the MK9 and MK10 CO<sub>2</sub> safety systems.

The MK9 sensor is a precision instrument that continuously monitors temperature and CO<sub>2</sub> gas concentration using infrared analysis. It has red, yellow and green LED lights and an intermittent buzzer for low alarm and continuous sound for high alarm.

The MK10 is a CO<sub>2</sub> monitor for the area CO<sub>2</sub> equipment is used or distributed. It has an integrated sound and light alarm and can be used as a stand-alone unit or can be linked to a central unit for digital display of values.

Both MK9 & MK10 perform self-calibration at regular intervals, eliminating the need for service calibration.

- Most cost effective CO<sub>2</sub> safety system currently available
- Four alarm levels fulfill all U.S. CO<sub>2</sub> safety codes and norms
- Central unit makes non-smelling invisible CO<sub>2</sub> gas visible and advises what to do in different alarm situations
- Automatic calibration is safer and requires zero maintenance
- System is expandable, up to eight sensors
- System can be connected to an existing fire alarm system that is connected to the fire department



## MK9 CO<sub>2</sub> Safety System

## MK10 CO<sub>2</sub> Safety System

### Specifications

#### MK9 CENTRAL UNIT

**Operating Temp:** 32° to 102° F (0° to 40°C)

**Operating Humidity:** 0-90% RH

**Power Supply:** 24V DC

**Power Usage:** No Alarm Status: 21 mA  
Alarm Status: 32 mA

**Acoustic Signal Strength:** 80 dBa (1m)

**Size (LxWxD):** 3.52" x 6.32" x 1.47"  
(89.6mm x 160.5mm x 37.4mm)

#### MK9 SENSOR

**Operating Temp:** 32° to 102° F (0° to 40°C)

**Operating Humidity:** 0-95% RH (non condensing)

**Power Supply:** 24V DC

**Power Usage:** No Alarm Status: 56 mA  
**Alarm Status:** 68 mA

**Acoustic Signal Strength:** 76 dBa (1m)

**Automatic Calibration:** 60 Days  
**Size (LxWxD):** 3.52" x 6.32" x 1.47"  
(89.6mm x 160.5mm x 37.4mm)

#### MK10 DETECTOR/ALERT

**Operating Temp:** 23° to 122° F (0° to 50°C)

**Operating Humidity:** 0-95% RH (non condensing)

**Power Supply:** 24V DC

**Power Usage:** 600 mA Peak, 30 mA Average

**Automatic Calibration:** 60 Days

**Weight:** 0.88 lbs (400g)

**Diameter:** 3.54" (90mm)

**Height:** 4.75" (120mm)

#### MK9/MK10 HORN/STROBE

**Operating Temp:** 23° to 122°F (-5° to 50°C)

**Power Supply:** 18-24V DC

**Power Usage:** 120 mA @ 24V DC supply

**Acoustic Signal Strength:** 110 dB / 1 m

**Flash Intensity:** 115 CD

**Flash Frequency:** 65/min

**Size (LxWxD):** 5.3" x 4.5" x 2.4"  
(134mm x 115mm x 61mm)

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# Introducing the BlendPoint Smoothie Dispenser

Technical Bulletin Reference No. 2203-002

## Introduction

Lancer is please to announce its newest dispenser, the BlendPoint Smoothie Dispenser!!!

The BlendPoint Smoothie Dispenser features a durable yet sleek, compact design with stainless steel refrigeration cabinet, blend station, and ice bin. The BlendPoint's blending/dispensing system combines some of the best ideas in blending into one easy-to-operate machine. The system is designed to quickly make precise blending drinks from concentrated liquids, ice, and water. It has three main sections: refrigeration cabinet, blend station, and ice hopper.

**Refrigeration Cabinet:** Holds the concentrated liquid products before being dispensed into the blend station. It has the capacity to hold up to 8 different (2 lb) bags of product. The refrigeration system keeps the product cold from the storage bags to the dispense point.

**Blend Station:** Contains a powerful blender motor whose blend speed and duration of every blend cycle is completely customizable for each drink size.

**Ice Hopper:** The double auger system provides consistent ice delivery to ensure that the drinks are the same every time. The ice hopper holds six (6) gallons (22.71 liters) of ice, is insulated to minimize temperature loss, and also integrates an interlock safety feature to prevent personal injury; removing the lid will stop the movement of the augers.

### Other Features Include:

- Fast delivery to large crowds
- Easy setup
- Multiple drink combinations from one machine
- Easy-to-use touchscreen
- Convenient blend jar cleaning station
- Whip cream door in refrigeration cabinet



## Specifications

### DIMENSIONS

**Width:** 30 inches (762 mm)  
**Depth:** 33-37 inches (838.2-939.8 mm)  
**Height:** 66 inches (1,676 mm)

### WEIGHT

**Without Ice:** 380 lbs (172.37 kg)  
**With Ice:** 410 lbs (185.98 kg)  
**Shipping:** 400 lbs (181.44 kg)

### BLENDING CAPACITY

**Capacity:** 2 lbs (0.907 kg)

### ELECTRICAL

115 VAC / 60 Hz / 20 Amps

### PLAIN WATER SUPPLY

**Min Flowing Pressure:** 30 PSIG (0.207 MPA)  
**Max Flowing Pressure:** 90 PSIG (0.621 MPA)