

SOLAR DIGITAL THERMOMETER



Surface Mount

Remote Reading

This popular hi-tech solar-powered thermometer makes an attractive remote reading instrument for surface mounting. It is ideal for refrigerators and freezers to address the need for indicating the temperature of stored food and other perishables. It features a battery back-up system, which enables the instrument to operate in low light levels.

General Specifications

CASE: ABS plastic, black (standard) or white (optional). Surface mounts with two screws from the front.

FRONT PANEL: Black Polycarbonate

DISPLAY: LCD, black character, 0.375" high with gray background

ILLUMINANCE: Solar collector, 50 lux, with battery backup for continuous service

CONNECTION: Plain

SENSOR LEAD: 60" black PVC. Other lengths available - consult factory

BULB (SENSOR): Nickel-plated brass, Ø 0.225"

ACCURACY: $\pm 2^{\circ}\text{F}$ or 1°C

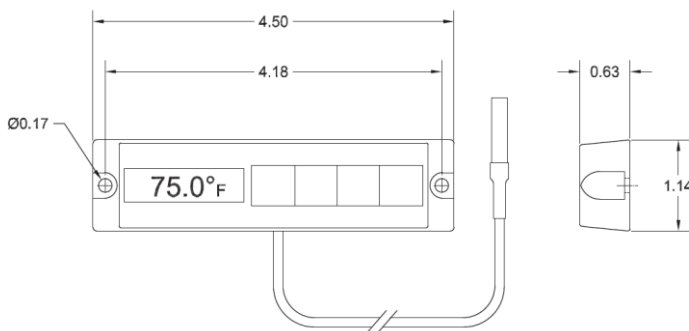
RESOLUTION: 0.1°F or $^{\circ}\text{C}$

RECALIBRATION: Internal potentiometer, maximum adjustment $\pm 8^{\circ}\text{F}$

AMBIENT TEMPERATURE: -40 to 140°F (-40 to 60°C)



Dimensions



Ranges

Code	Range
84	-58 to 158°F / -50 to 70°C

Ranges

Code	Color
B	Black
W	White

To Order

<u>C</u>	<u>D</u>	<u>1</u>	<u>0</u>	<u>4</u>	<u>6</u>	<u>8</u>	<u>4</u>	<u>6</u>	<u>0</u>	-	<u>B</u>
Model Number						Range		Sensor Lead Length		Case Color	

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Flush Mount – Front Flange Case – 2" Case Size

Miljoco solar-powered thermometers are designed to operate in varying light conditions. The temperature display will indicate using only solar power in light levels greater than 100 lux but will continue to function below 100 lux with its battery backup system. This system is designed to last 3 to 4 years under normal conditions, after which the display will continue to function above 100 lux. These front flange thermometers are designed to be installed in a panel using three screws from the front.

These thermometers are ideal for applications such as refrigeration equipment, chilled systems, NSF® listed equipment, spas and control panels. They will display in either Fahrenheit or Celsius scale, which may be switched from the rear of the case. Sensing leads may be furnished up to 10 feet long.

General Specifications

CASE MATERIAL: 300 Series stainless steel **LENS:**

Threaded Acrylic

DISPLAY: LCD, black character, 0.375" high with gray background

UPDATE TIME: 10 seconds

CONNECTION: Plain

RESOLUTION: 0.1°F or °C

ACCURACY: ±2°F

SENSOR LEAD: Code 03 – 48" black PVC.

Other lengths available – consult factory

BULB (SENSOR): Nickel-plated brass, Ø 0.225"

POWER: Solar, 100 Lux minimum light level

AMBIENT TEMPERATURE: -40 to 140°F (-40 to 60°C)

Remote Reading



CD2036

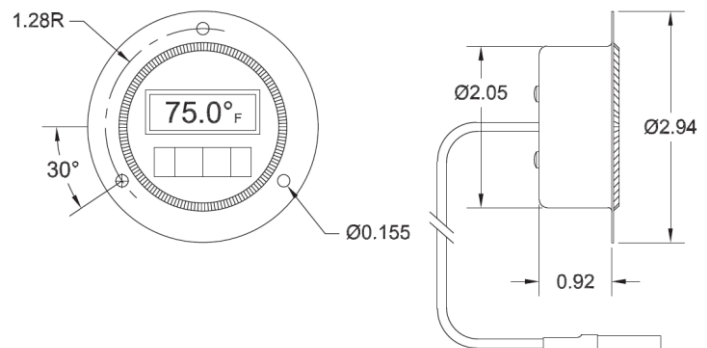
Ranges

Code	Range
84	-58 to 158°F / -50 to 70°C
85	-58 to 302°F / -50 to 150°C

Sensor Lead

Code	Color
03	Black PVC Cover

Dimensions



To Order

C D 2 0 3 6

Model Number

8 4

Range

6 0

Sensor
Code

- 4 8

Sensor Lead
Length (inches)

Solar Digital Thermometer DS-CD Series EN v1 Datasheet 0826