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# MILJOCO

CORPORATION

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14335 E. NINE MILE RD., WARREN, MI 48089 [www.miljoco.com](http://www.miljoco.com) PHONE 586 777-4280 FAX 586 777-7891

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*Most products in this catalog are NSF listed and are  
designed to be used in the food service industry.*

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# INTRODUCTION

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*Miljoco Corporation is an international manufacturer of indicating temperature and pressure instruments and was founded in 1979 by Howard M. Trerice. Presently, its headquarters are located in Warren, Michigan, USA.*

*Miljoco manufactures a very diverse line of products from fine glass items to heavy metal castings, from plumbing parts to electronic instruments. This catalog (200) covers a variety of thermometers specifically designed for the commercial food service industry.*

*Catalog 898 covers one of the broadest lines of remote reading thermometers available anywhere in the world.*

*Catalog 599 covers a series of industrial thermometers, bi-metal thermometers, and pressure gauges suited for the commercial HVAC building trades, as well as a wide spectrum of industrial and OEM applications.*

*Miljoco also offers component services to OEMs in the instrumentation field, as well as various plumbing and related items.*

## WARRANTY

We guarantee products of our manufacture to be free from defects in workmanship and material and will repair or replace such, F.O.B. factory, which our examination shall reveal to be defective under normal use. We assume no other responsibility whatsoever, implied or otherwise. Equipment and specifications are subject to change without notice. CAUTION: Electronic products may be subject to further conditions.

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# DIAL THERMOMETERS

## BI-METAL - 1" DIAL SIZE

### BI-METAL POCKET THERMOMETER with HIGH MAGNIFYING LENS

This pocket thermometer is furnished in a 1" dial size, stainless steel case with a raised, clear acrylic, magnifying lens, which enhances the readability of the small dial from greater distances. The instrument can be easily recalibrated using a nut located on the rear of the case; however, all instruments are factory tested prior to shipment. A pointed stainless steel stem, 5" in length and .142" in diameter, allows the thermometer to easily penetrate into meats and like substances without damaging the product or the thermometer. The instrument is supplied in a convenient plastic carrying case with a pocket clip and is designed for general testing.

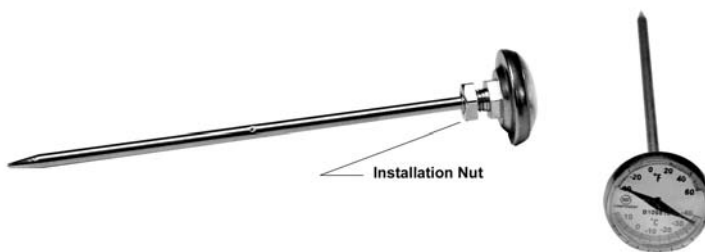


RANGE	STEM	CATALOG NUMBER
*25° to 125°F	5"	B1098M43C-5.0
-40° to 160°F	5"	B1098M90C-5.0
*0° to 220°F	5"	B1098M82C-5.0
50° to 500°F	5"	B1098M95C-5.0

*\*NSF listed range*

### 1" BI-METAL REFRIGERATOR CASE THERMOMETER with THREADED STEM & NUT

This thermometer is furnished in a 1" dial size, stainless steel case with a domed, clear acrylic lens, and a 1/4-28 threaded fitting on the stem with matching nut for permanent installation on a refrigerated display case or similar equipment. A hex nut, located at the rear of the case, is provided for recalibrating if necessary; however, all instruments are factory tested prior to shipment. A stainless steel pointed stem is furnished in nominal 2½" or 5" lengths, and is .142" in diameter. Other stem lengths can be custom-made for high volume requirements. Please consult factory for details.



RANGE	STEM	CATALOG NUMBER
-40° to 60°F/C	2½"	B1098D18D-2.5
-40° to 60°F/C	5"	B1098D18D-5.0

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# DIAL THERMOMETERS

BI-METAL - 1" DIAL SIZE

## BI-METAL POCKET THERMOMETER for FLANGE MOUNTING

This pocket thermometer is furnished standard in a 1" dial size, stainless steel case with a clear plastic lens. A hex nut, located at the rear of the case is provided for recalibrating if necessary; however, all instruments are factory tested prior to shipment. A pointed stainless steel stem, 5" in length and .145" in diameter, allows the thermometer to easily penetrate into meats and like substances without damaging the product or thermometer. The instrument is supplied in a convenient plastic carrying case with a pocket clip and is designed for general testing.



RANGE	STEM	CATALOG NUMBER
*25° to 125°F	5"	B1098D43A-5.0
-40° to 160°F	5"	B1098D90A-5.0
*0° to 220°F	5"	B1098D82A-5.0
50° to 500°F	5"	B1098D95A-5.0

*\*NSF listed range*

## MOUNTING FLANGES

Stainless steel mounting flanges are designed to secure and display 1" bi-metal thermometers listed above. The instruments are mounted to a surface with a flange held by two screws. Upon mounting, the stem projects through the surface, exposing the sensor to the environment being measured.

FLANGE SIZE	CATALOG NUMBER
1 3/8" x 2 1/4"	65-8



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# DIGITAL THERMOMETERS

## LCD DIGITAL POCKET THERMOMETER

The digital pocket thermometer is ideal for the user who requires precise readings to the one-tenth degree. The indicator face is 1¼" in diameter and is housed in a plastic case. The instrument updates its reading in one second intervals and is furnished with an on-off switch to extend battery life. The stainless steel stem is 5" in length and .145" in diameter. The thermometer is provided with a protective pocket sheath and clip for carrying purposes.



RANGE	STEM	CATALOG NUMBER
-58 to 302°F	5"	CD1098122

## HAND-HELD DIGITAL TESTERS

Hand-held digital thermometers are convenient and mobile, and are ideal for testing the temperature of a wide variety of media from food products to air ducts, while being completely portable.

The LCD display has large easy-to-read figures and a range of -58 to 302°F & -50 to 150°C. A switch is provided to alternate the display between Fahrenheit and Celsius, and a button is furnished to hold temperature readings for logging purposes.

The CD300 has a convenient, gray & white plastic pocket size case and provides many features found only on more expensive testers.

The CD400 is a larger hand held device, encased in a 5¼" rigid ABS housing. It features a larger display, readings in full degrees or tenths of a degree, and a removable/replaceable probe system to accommodate longer probe cables.

CD400



CD300



STYLE	SIZE (WEIGHT)	PROBE	RANGE	CATALOG NO.
Hand-Held	3.0" x 1.6" x 0.5" (2 oz.)	Fixed, 20" Lead	-58° to 302°F/C	CD300
Deluxe Hand-Held	5.3" x 2.9" x 1.3" (9 oz.)	Removable, 72" Lead	-58° to 302°F/C	CD400

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# DIRECT READING THERMOMETERS

## OVEN DIAL THERMOMETER - B259893

- Stainless steel case, glass crystal
- Two-way hang or stand design
- Range 175° to 525°F / 75° to 275°C (5°F divisions)
- Large, easy-to-read spun silver dial with black numerals and graduations
- Red Pointer for easy reading
- Stands 2½" high



## REFRIGERATOR/FREEZER DIAL THERMOMETER - B259817

- Stainless steel case glass crystal
- Two-way hang or stand design
- Range -30° to 70°F / -30° to 20°C (2°F divisions)
- Large, easy-to-read spun silver dial with black numerals and graduations
- Stands 2½" high
- Zoned scale for recommended temperatures



## CONDENSATE DRAIN - D3-100A

- Gray ABS plastic
- 1" x 11½ American standard straight pipe thread
- 1" I.D. drain hole
- Rubber washer
- Metal hex nut
- Ideal for condensation or wash-down applications



## COOKING THERMOMETERS

- 2" dial size
- All stainless steel construction
- .140" diameter stem
- Adjustable holding clip included



STYLE	DIAL SIZE	STEM LENGTH	RANGE	CATALOG NO.
Candy/Deep Fry	2"	9"	100-400°F/C	B209899-9P
Deep Fry	2"	12"	50-550°F	B209897-12P
Cooking	2"	9"	0-220°F/C	B209982-9P

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# SPIRIT FILLED THERMOMETERS

## VERTICAL FOOD SERVICE TYPE

### LOW COST REFRIGERATION THERMOMETER

Miljoco thermometers are manufactured to exacting standard and are listed by NSF for use in the foodservice industry. This series is available in many different models, for hanging or permanently mounting in freezers, refrigerators, hot-food holding cabinets and many other applications. It is also a great promotional item when furnished with your company name/logo, address and telephone number.

**Contact us today for a free sample.**

### SPECIFICATIONS

**CASE:** Clear polycarbonate

**TUBE:** Glass-red spirit filled – nontoxic

**HANGER:** High-density polyethylene, ideal for wire racks and glass shelves

**SCREWED BRACKET:** Aluminum – requires screws for permanent mounting

**SNAP-IN BRACKET:** High density polyethylene – a unique push-in fastener which completely covers the mounting hole and does not require screws or tools.  
*All thermometers are NSF listed for food zones.*

### CATALOG NUMBERS AND STYLES

**Hanging or  
Clamping**



**Screwed  
Single Bracket**



**Snap-In  
Single Bracket**



**Screwed  
Double Bracket**



**Snap-In  
Double Bracket**



STYLE	CATALOG NUMBER	N.S.F. MODEL NUMBER	CASE LENGTH	RANGE
Hanging or Clamping	S3513091	B9122	3½"	-40° to 120°F/C
	S3513091Z	B9122	3½"	Safe Zone*
Screwed Single Bracket	S3511091	B9121	3½"	-40° to 120°F/C
	S3511091Z	B9121	3½"	Safe Zone*
Snap-In Single Bracket	S3519091	B9121	3½"	-40° to 120°F/C
	S3519091Z	B9121	3½"	Safe Zone*
Screwed Double Bracket	S3512091	B9121	3½"	-40° to 120°F/C
	S3512091Z	B9121	3½"	Safe Zone*
Snap-In Double Bracket	S3518091	B9121	3½"	-40° to 120°F/C
	S3518091Z	B9121	3½"	Safe Zone*

\*In certain states, the law requires the operating zone to be printed on the scale, the range is -40° to 120°F/C. Your company name can be imprinted in black or blue, in lots of 300 pieces or more, at no charge. Company logos or multicolor printing is also available. Price on application.

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# SPIRIT FILLED THERMOMETERS

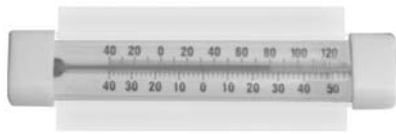
## HORIZONTAL FOOD SERVICE TYPE

### LOW COST REFRIGERATION THERMOMETER

Miljoco horizontal food service thermometers are designed to be installed below shelves or above cabinets. The S350092-S & S350092SZ are mounted to sheet styrene and can be mounted directly into the price tag molding of a refrigerated case. Specifications are identical to the vertical models.



**S3512092**



**S350092-S**

STYLE	CATALOG NO.	NSF NUMBER	CASE LENGTH	RANGE
Double Screw Bracket	S3512092	B9121	3½"	-40° to 120°F&C
	S3512092Z	B9121	3½"	Safe Zone
Double Snap-In Bracket	S3518092	B9121	3½"	-40° to 120°F&C
	S3518092Z	B9121	3½"	Safe Zone
Price Tag Molding	S350092-S	B9121	3½"	-40° to 120°F&C
	S350092-SZ	B9121	3½"	Safe Zone

### HORIZONTAL REFRIGERATOR/FREEZER THERMOMETER

The case of this handsome instrument is clear acrylic for maximum vision of the red non-toxic filled thermometer tube. The two stainless steel end brackets enable this 1½" x 5" unit to be hung, screwed or used free standing. Ideal for food-holding cabinets.



RANGE	CASE LENGTH	CATALOG NUMBER
-40° to 80°F	5"	S501323

### LOW COST HOT FOOD HOLDING THERMOMETER

This durable, NSF listed thermometer provides a real cost breakthrough for a hot food holding thermometer, ideal for carousels and other like applications. Basic specifications are the same as the S35 vertical series, except case length and range.

RANGE	CASE LENGTH	NSF NUMBER	CATALOG NUMBER
100° to 200°F	4½"	B9123	S4512073



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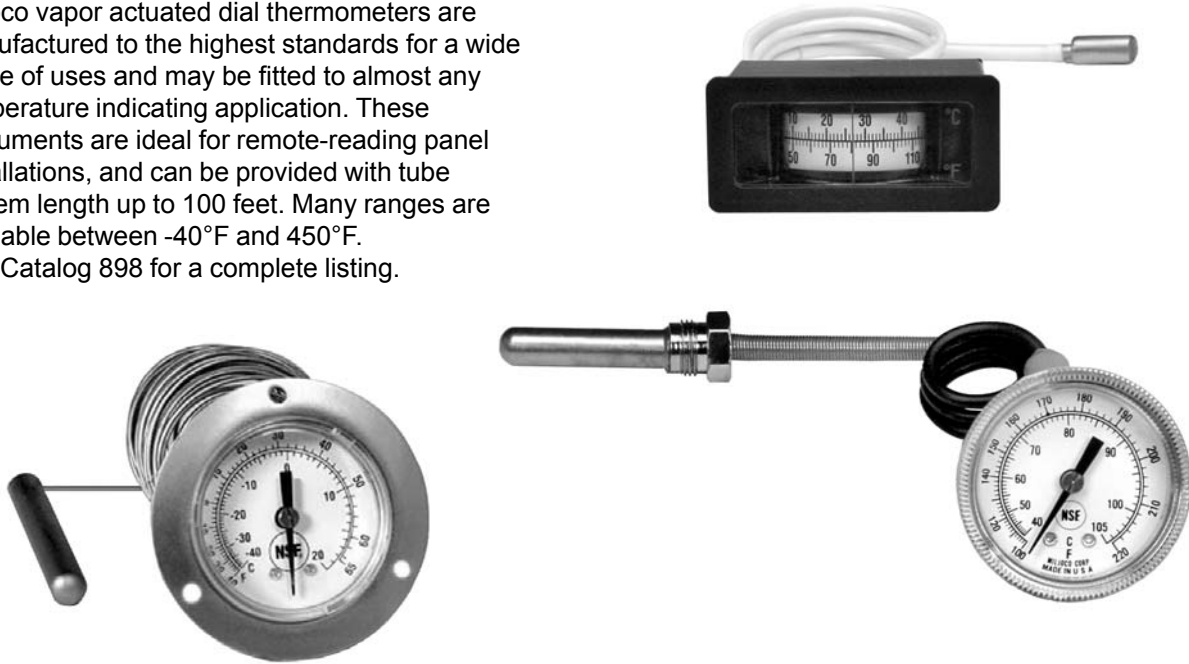
# REMOTE READING TEMPERATURE GAUGES

## DIAL OR DIGITAL TYPE

Please Consult Catalog #898

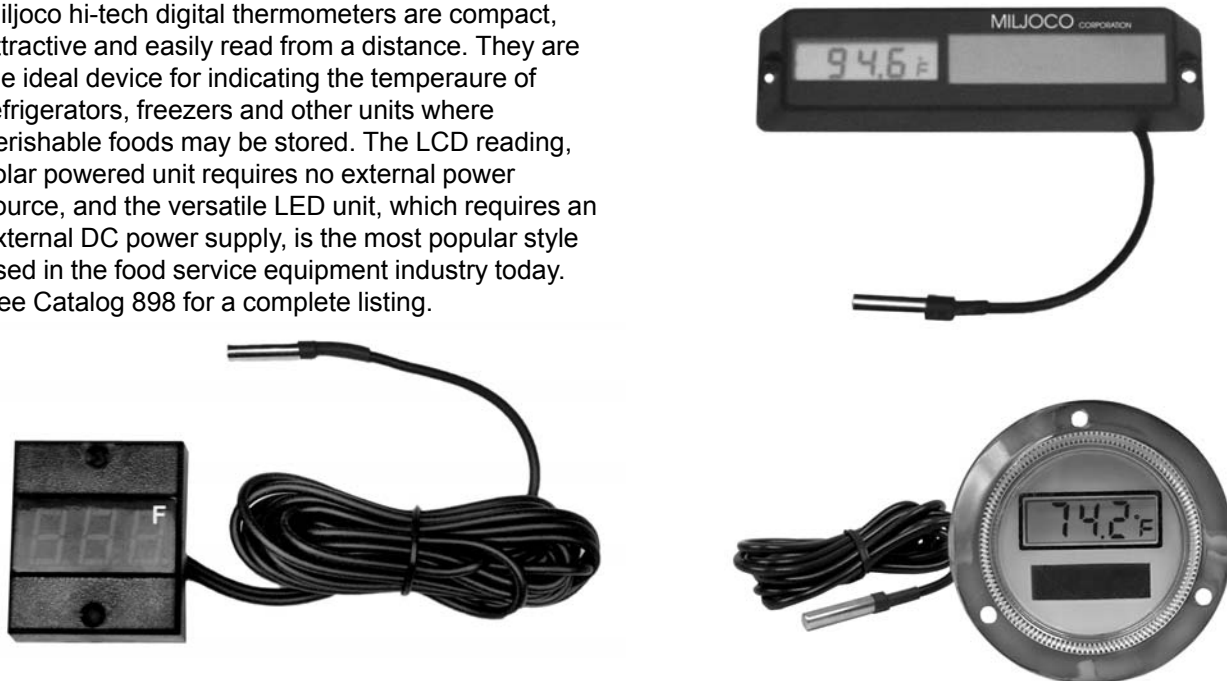
### NSF LISTED DIAL THERMOMETERS

Miljoco vapor actuated dial thermometers are manufactured to the highest standards for a wide range of uses and may be fitted to almost any temperature indicating application. These instruments are ideal for remote-reading panel installations, and can be provided with tube system length up to 100 feet. Many ranges are available between -40°F and 450°F. See Catalog 898 for a complete listing.



### DIGITAL INDICATING REMOTE THERMOMETERS

Miljoco hi-tech digital thermometers are compact, attractive and easily read from a distance. They are the ideal device for indicating the temperature of refrigerators, freezers and other units where perishable foods may be stored. The LCD reading, solar powered unit requires no external power source, and the versatile LED unit, which requires an external DC power supply, is the most popular style used in the food service equipment industry today. See Catalog 898 for a complete listing.



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# OTHER MILJOCO INSTRUMENTS

## THERMOMETERS - PRESSURE GAUGES - ACCESSORIES

Please Consult Catalog #599

### INDUSTRIAL THERMOMETERS 5" - 7" - 9" SCALE SIZES

Miljoco industrial thermometers are designed for commercial construction and industrial applications such as piping and air ducts. This instrument represents the accepted worldwide standard for industrial thermometers.

See Catalog 599 for a complete listing.



### BI-METAL THERMOMETERS 1" - 5" DIAL SIZES

Miljoco bi-metal dial thermometers are designed to withstand vibration and other rugged abuse found in many industrial applications. The stainless steel components and casing, along with a waterproof seal, help to protect against corrosive elements the instrument may be exposed to. A full range of sizes and styles are available. See Catalog 599 for a complete listing.



### PRESSURE GAUGES 1½" - 12" DIAL SIZES

Miljoco pressure gauges are designed to fill most pressure measuring applications. See Catalog 599 for a complete listing.

Styles include:

Process Gauges, Contractor's Gauges, Utility Gauges, Liquid Filled Gauges, Pressure/Temperature Gauges, and other special service gauges.



### THERMOMETER & GAUGE ACCESSORIES

Miljoco instrument accessories are specifically designed for installation with Miljoco thermometers and gauges. See Catalog 599 for a complete listing.

Accessories include:

Thermowells  
Gauge Isolator Valves  
Needle Valves  
Pressure Snubbers  
Coil Syphons



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# TEMPERATURE EQUIVALENTS

°F	°C	°F	°C	°F	°C	°F	°C
-40	-40.00	30	-1.11	80	26.67	250	121.11
-38	-38.89	31	-0.56	81	27.22	255	123.89
-36	-37.78	32	0.00	82	27.78	260	126.67
-34	-36.67	33	0.56	83	28.33	265	129.44
-32	-35.56	34	1.11	84	28.89	270	132.22
-30	-34.44	35	1.67	85	29.44	275	135.00
-28	-33.33	36	2.22	86	30.00	280	137.78
-26	-32.22	37	2.78	87	30.56	285	140.56
-24	-31.11	38	3.33	88	31.11	290	143.33
-22	-30.00	39	3.89	89	31.67	295	146.11
-20	-28.89	40	4.44	90	32.22	300	148.89
-18	-27.78	41	5.00	91	32.78	305	151.67
-16	-26.67	42	5.56	92	33.33	310	154.44
-14	-25.56	43	6.11	93	33.89	315	157.22
-12	-24.44	44	6.67	94	34.44	320	160.00
-10	-23.33	45	7.22	95	35.00	325	162.78
-8	-22.22	46	7.78	96	35.56	330	165.56
-6	-21.11	47	8.33	97	36.11	335	168.33
-4	-20.00	48	8.89	98	36.67	340	171.11
-2	-18.89	49	9.44	99	37.22	345	173.89
0	-17.78	50	10.00	100	37.78	350	176.67
1	-17.22	51	10.56	105	40.56	355	179.44
2	-16.67	52	11.11	110	43.33	360	182.22
3	-16.11	53	11.67	115	46.11	365	185.00
4	-15.56	54	12.22	120	48.89	370	187.78
5	-15.00	55	12.78	125	51.67	375	190.56
6	-14.44	56	13.33	130	54.44	380	193.33
7	-13.89	57	13.89	135	57.22	385	196.11
8	-13.33	58	14.44	140	60.00	390	198.89
9	-12.78	59	15.00	145	62.78	395	201.67
10	-12.22	60	15.56	150	65.56	400	204.44
11	-11.67	61	16.11	155	68.33	405	207.22
12	-11.11	62	16.67	160	71.11	410	210.00
13	-10.56	63	17.22	165	73.89	415	212.78
14	-10.00	64	17.78	170	76.67	420	215.56
15	-9.44	65	18.33	175	79.44	425	218.33
16	-8.89	66	18.89	180	82.22	430	221.11
17	-8.33	67	19.44	185	85.00	435	223.89
18	-7.78	68	20.00	190	87.78	440	226.67
19	-7.22	69	20.56	195	90.56	445	229.44
20	-6.67	70	21.11	200	93.33	450	232.22
21	-6.11	71	21.67	205	96.11	455	235.00
22	-5.56	72	22.22	210	98.89	460	237.78
23	-5.00	73	22.78	215	101.67	465	240.56
24	-4.44	74	23.33	220	104.44	470	243.33
25	-3.89	75	23.89	225	107.22	475	246.11
26	-3.33	76	24.44	230	110.00	480	248.89
27	-2.78	77	25.00	235	112.78	485	251.67
28	-2.22	78	25.56	240	115.56	490	254.44
29	-1.67	79	26.11	245	118.33	495	257.22

$$^{\circ}\text{F} = (^{\circ}\text{C} \times 1.8) + 32$$

$$^{\circ}\text{C} = (^{\circ}\text{F} - 32) \times .555$$

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