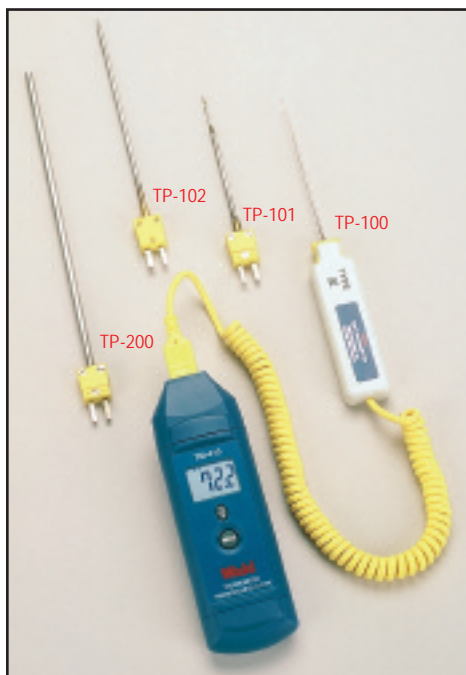


# TM410 Thermocouple Food Service Thermometer



TM410 with TCL329K Extension Handle allows use of interchangeable probes with one handle and cord set. See page 15 for probe descriptions.

The Wahl TM410 Type K Thermocouple Digital Heat Prober® Thermometer is economical and compact. It provides the highest accuracy at the lowest price of any Thermocouple Instrument on the market today.

- Accuracy of  $\pm 1.0^{\circ}\text{F}$  ( $\pm 0.5^{\circ}\text{C}$ ) in an operating range of 32° to 200°F (0° to 93°C)
- Meets and exceeds FDA Requirements (Food Code requires  $\pm 2^{\circ}\text{F}$ )
- Optional probes plug into the top of TM410 for easy single-handed use
- Optional TCL329K Extension Handle for extended reach
- Built in pocket/belt clip on back of unit
- Reduced dirt-harboring crevices for easy cleaning
- °F and °C Switchable

Wahl TP Probes (shown left with TM410, described on page 15) are specially manufactured with food service in mind to give fast and accurate results. They can be inserted into the TM410 for single handed operation and are durable enough to withstand the rigors of a busy kitchen. Probes can be safely passed through the dishwasher for ease of cleaning. Accuracy is maintained regardless of which probe is attached, assuring greater certainty of safe food temperature, and tighter control over the quality of the finished product.



TM410 shown in use with NIST Certified TA50AFK Calibrator, page 10.

# TM500 Thermocouple Meter

The Wahl TM500 Heat Prober Meter offers value with exceptional features. The TM500 has advanced microprocessor functions, dual display and dual probe capability for more advanced testing in critical process and laboratory applications.

- **TM500 Type J** Range of -328°F to 1922°F (-200°C to 1050°C).
- **TM500 Type K** Range of -328°F to 2498°F (-200°C to 1370°C).
- Large LCD and Dual probe input accepts one or two Type J or Type K Thermocouple probe(s) with standard ANSI mini-connectors.
- Selectable temperature scale, Fahrenheit or Celsius readings.
- Main LCD displays the temperature reading from either selected probe or the temperature difference between the two.
- Third LCD displays time or timing duration (hours, minutes, seconds) of MAX/MIN or AVERAGE temperature events.
- "Recording" mode allows data storage for MAX, MIN, and AVERAGE temperatures reached over a time period.
- "Set" mode allows entry of reference and alarm points.
- Supplied with water and shock resistant rubber boot, built-in easel stand, 9V battery, and two Type K test probes.

See Specifications for both Meters above on page 12.

See page 13 for Thermocouple Meter, probe, and accessory money-saving kits.

See pages 14-17 for interchangeable thermocouple probes.



TM500 shown with TC869 45° Spring Articulated Surface Probe



TM500 CALIBRATOR	
Type K Range	-328°/2498°F and -200°/1370°C
Type J Range	-328°/1922°F and -200°/1050°C
Resolution	0.1°, °F or °C
Meter Accuracy	$\pm 0.05\%$ reading $\pm 0.6^{\circ}\text{F}$ ( $0.3^{\circ}\text{C}$ ) @ -58°/2498°F (-50°/1370°C) $\pm 0.05\%$ reading $\pm 1.4^{\circ}\text{F}$ ( $0.7^{\circ}\text{C}$ ) @ -58°/328°F (-50°/200°C)
Power	One standard 9V, NEDA 1604 or equiv.
Display	5 Digit LCD
Meter Size	7-5/8" x 3-5/8" x 2-1/8" (190 x 92 x 54mm)

Calibration Services Available

## Thermocouple Meter Specifications

See our New TM602 Thermocouple Thermometer and TM630 Thermocouple and RTD Thermometer featured on page 3

Thermocouple Meter Specifications								
Model	2500M	2500MX	2500MVX	1370M	1370MX	1370MVX	TM410	TM500
Range	-100°/2500°F			-70°/1370°C			-40°/1999°F -40°/1092°C	-328°/2498°F -200°/1370°C
Digital Display	LED	LCD	LCD	LED	LCD	LCD	LCD	Dual LCD
F/C Switch	Optional			Optional			Yes	Yes
Resolution	1°			1°			1.0° or 0.1°	0.1°
Meter Accuracy	±0.2% ±1 digit			±0.2% ±1 digit			±1.0°F @ 32°/200°F (±0.5°C @ 0°/93°C) 0.3% reading, ±2°F @ -40°/32°F (-40°/0°C) 0.3% reading, ±2°F @ 200°/1999°F ±0.4°C @ 93°/1092°C	±0.05% reading ±0.6°F (0.3°C) @ -58°/2498°F (-50°/1370°C) ±0.05% reading ±1.4°F (0.7°C) @ -58°/-328°F (-50°/200°C)
Thermocouple Type	K			K			K	J, K
Peak Hold	Yes			Yes			No	Yes
Ambient Operating Range	-20°/120°F -29°/49°C		0°/120°F -18°/49°C	-20°/120°F -29°/49°C		0°/120°F -18°/49°C	32°/122°F 0°/50°C	32°/122°F 0°/50°C
Power	6.25V NiCad Recharge Pk		9V	6.25V NiCad Recharge Pk		9V	Three 1.5V AAA	9V
AC Power	Yes		No	Yes		No	No	No
Battery Life	8 hours	50hours	50hours	8 hours	50hours	50hours	140 hours.	100 hours.
Low Battery Ind	Yes			Yes			Yes	Yes
Recharger Included	7.5V @ 100 mA 110 or 220 V AC		N/A	7.5V @ 100 mA 110 or 220 V AC		N/A	N/A	N/A
Size	6" x 3" x 1"			6" x 3" x 1"			6" x 2" x 3/4"	7.5" x 4" x 2"
Weight	10.5 oz. (298 g)			10.5 oz. (298 g)			3.6 oz. (102 g)	15.5 oz. (439 g)

### THERMOCOUPLE METER ACCESSORIES

DA-4	Silicone Paste
DA-6	Belt-Clip Meter Case with Hand Strap
DA-10	Nylon Safety Wrist Strap
MA-150	Battery Recharger, 110V AC 50/60Hz
MA-150E	Battery Recharger, 220V AC 50/60Hz, European connector
TA-60	Shock-Proof attache-style Instrument Case
11681-1	Spare NiCad Battery Pack
12232	Standard 9V Alkaline Battery
12234-02	3V, Lithium, coin Cell Battery for TA30 and TA50
12235	7.5V, Alkaline, Multi-Cell Battery for TA50 and TA70

### METER OPTIONS

NIST-12	Certificate with 3 Standard Calibration Points between 32°F(0°C) & 500°F(250°C). Meter calibration includes one probe.
NIST-12-1	Certificate with 3 User-specified Calibration Points between -40°F (-40°C) & 600°F(315°C). Meter calibration includes one probe.



Sample Meter Kit sold on pages 7 and 13. Kit includes Meter, Carrying Case, Calibrator, Wrist Strap, Recharger and Probe.