



Miniaturized size permits installation on parts and in areas where other recording instruments prove impractical.

TEMP-PLATE®

Standard Irreversible Temperature Recording Labels

Temp-Plates are self adhesive temperature recording labels that can be read at a glance. Rated temperatures are printed at the sensor window. Each Temp-Plate contains one to several sealed heat-sensitive elements which change chemical structure when exposed to heat exceeding their calibrated temperatures. Each pearl gray indicator turns permanently and irreversibly black in less than one second and with $\pm 1\%$ accuracy. With proper installation, Temp-Plates resist exposure to solvents, fuels, grease, oil, water and steam.

Features:

- Five year Shelf Life - Guaranteed to Stick for 5 years.
- Calibrated to $\pm 1\%$ NIST traceable accuracy from 90°F to 500°F (32°C to 260°C).
- Easy, self-adhesive installation on most surfaces.
- Heat-sensitive indicator "positions" turn permanently black when the rated temperature points are reached or exceeded.
- Positions are carefully graduated to allow readily visible temperature history.
- Provides a permanent record of overheating.
- Wide selection of temperature ranges (both °F and °C), sizes, and number of recording positions.
- High-visibility graphics (red, white and black) ensure easy, quick, and positive readings, even in low-light conditions and small label sizes.
- Continuous monitoring with no interruption due to power failure or battery exhaustion.

WAHL TEMP-PLATES SPECIFICATIONS	
RATED TEMPERATURE	90°F to 500°F (32°C to 260°C)
ACCURACY	Color change at 1% of indicated value, e.g. $\pm 2.5^\circ\text{F}$ at 250°F.
COLOR CHANGE	Irreversible change from pearl gray to black at rated temperatures.
RESPONSE TIME	Less than 1 second when measured in water.
TRACEABILITY	Lots are traceable to codes found in the back of each box. The accuracy calibration records on file at Wahl Instruments are traceable to NIST.
MOUNTING	Pressure-sensitive adhesive backing rated to 500°F on smooth, clean, dry surfaces.
THICKNESS	0.013 inch (0.33 mm).
SHELF LIFE	Temp-plates are guaranteed to stick for a minimum of five years from date of manufacture when stored in their original container under the Storage conditions listed below.
STORAGE	Temp-Plate Labels with indication points of 110°F (43°C) or below should be refrigerated upon receipt to prevent any temperature points from turning prematurely. Temp-Plate Labels with indication points above 110°F (43°C) should be stored at an average room temperature of 60° to 80°F and relative humidity of 50%. If you install Temp-plates according to instructions and have any issue, return the remaining unused labels to us for a no charge replacement.
INSTALLATION	Surface to be monitored should be clean and dry. Peel backing material from Temp-Plate and press adhesive side firmly against the surface. Use fingers to smooth out all air bubbles beneath Temp-Plate. Rated temperature has been reached when indicator point turns black.
<p>IMPORTANT NOTE: All labels 110°F/43°C and below are considered low temperature and are shipped with an ice pack to prevent the labels from turning in transit. *They should be refrigerated upon receipt or they could turn before their intended use.* Low temperature labels are only shipped by Overnight service. International shipments must use Express or Priority service. Low temperature labels are only shipped from our factory Monday - Thursday, unless Saturday delivery is requested.</p>	

Temp-Plate® is a registered trademark of Palmer Wahl Instruments, Inc.

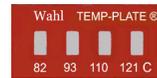
Specifications subject to change without notice. Go to www.palmerwahl.com for most current information.

April 2024

Palmer Wahl Instruments, Inc. • Toll Free: 800-421-2853 • Phone: 828-658-3131 • www.palmerwahl.com



STANDARD Four-Position
Base Part No. 240
 .75" X 1.75" (19 X 44mm)
 Shipped in boxes of 10



MINI Four-Position
Base Part No. 101-4
 .38" X .82" (10 X 21mm)
 Shipped in boxes of 10



MINI Four-Position, Round
Base Part No. 444
 .56" Diameter (14mm)
 Shipped in bags of 10



MICRO Four-Position
Base Part No. 441
 .13" X .44" (3 X 11mm)
 Shipped in boxes of 10



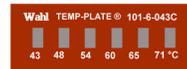
MICRO Four-Position, Round
Base Part No. 442
 .25" Diameter (6mm)
 Shipped in boxes of 10



MICRO Four-Position, Round
Special Unmarked
Base Part No. 440
 .25" Diameter (6mm)
 Shipped in boxes of 10



MICRO Three-Position
Special Unmarked
Base Part No. 430
 .13" X .30" (3 X 8mm)
 Shipped in boxes of 10



MINI Six-Position
Base Part No. 101-6
 .38" X 1.16" (10 X 29mm)
 Shipped in boxes of 10



MINI Eight-Position
Base Part No. 101-8
 .38" X 1.5" (10 X 38mm)
 Shipped in boxes of 10

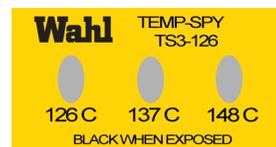


Single-Position Round
Base Part No. 414
 .56" Diameter (14mm)
 Shipped in bags of 20



Single-Position
Base Part No. 210
 1" X .75" (25 X 19mm)
 Shipped in boxes of 10

Temp-Plates are shown actual size



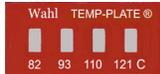
Economy Three-Position
Base Part No. TS3
 .75" X 1.5" (19 X 38mm)
 Shipped in bags of 20



Temp-Plate Available Temperature Points



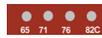
STANDARD Four-Position
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MINI Four-Position
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MINI Four-Position, Round
Base Part No. 444
 .56" Diameter (14mm)
 Shipped in bags of 10



MICRO Four-Position
Base Part No. 441
 .13" X .44" (3 X 11mm)
 Shipped in boxes of 10



MICRO Four-Position, Round
Base Part No. 442
 .25" Diameter (6mm)
 Shipped in boxes of 10



MICRO Four-Position, Round
Special Unmarked
Base Part No. 440
 .25" Diameter (6mm)
 Shipped in boxes of 10
 See description below.

Temp-Plates are shown actual size

TEMP-PLATE SIZE and AVAILABILITY					RANGE CODE SUFFIX FOR FOUR POSITION			
Stand.	Mini	Mini Round	Micro	Micro Round	Suffix	°F Positions	Suffix	°C Positions
240	N/A	N/A	N/A	N/A	-090F	90-100-110-120	-032C	32-37-43-48
240	N/A	N/A	N/A	N/A	-091F	90-95-100-105	-033C	32-35-37-41
240	101-4	444	441	442	-100F	100-110-120-130	-037C	37-43-48-54
240	101-4	444	441	442	-101F	100-120-140-160	-038C	37-48-60-71
240	101-4	444	441	442	-110F	110-120-130-140	-043C	43-48-54-60
240	101-4	444	441	442	-120F	120-140-160-180	-048C	48-60-71-82
240	101-4	444	441	442	-140F	140-160-180-200	-060C	60-71-82-93
240	101-4	444	441	442	-141F	140-180-220-260	-061C	60-82-104-126
240	101-4	444	441	442	-150F	150-160-170-180	-065C	65-71-76-82
240	101-4	444	441	442	-151F	150-200-250-300	-066C	65-93-121-148
240	101-4	444	441	442	-160F	160-180-200-220	-071C	71-82-93-104
240	101-4	444	441	N/A	-161F	160-170-180-190	-072C	71-76-82-87
240	101-4	444	N/A	442	-170F	170-180-190-200	-076C	76-82-87-93
N/A	N/A	444	N/A	N/A	N/A		-077C	76-93-110-126
N/A	N/A	444	N/A	N/A	N/A		-078C	76-98-110-132
N/A	N/A	444	N/A	N/A	N/A		-079C	76-93-104-132
240	101-4	444	441	442	-180F	180-200-230-250	-082C	82-93-110-121
240	101-4	444	441	442	-190F	190-200-210-220	-087C	87-93-98-104
240	101-4	444	441	442	-200F	200-210-220-230	-093C	93-98-104-110
240	101-4	444	441	442	-201F	200-220-240-260	-094C	93-104-115-126
240	101-4	444	441	442	-202F	200-250-300-350	-095C	93-121-148-176
240	N/A	N/A	441	N/A	-220F	220-250-280-310	N/A	
240	101-4	444	441	442	-230F	230-240-250-260	-110C	110-115-121-126
240	101-4	444	441	442	-250F	250-260-270-280	-121C	121-126-132-137
N/A	N/A	N/A	N/A	N/A	N/A		-126C	126-132-137-143
240	101-4	N/A	441	442	-270F	270-280-290-300	-132C	132-137-143-148
240	101-4	444	441	442	-280F	280-300-320-340	-137C	137-148-160-171
240	101-4	444	441	442	-310F	310-320-330-340	-154C	154-160-165-171
240	101-4	N/A	441	N/A	-350F	350-360-370-380	-176C	176-182-187-193
240	101-4	N/A	441	N/A	-351F	350-400-450-500	-177C	176-204-232-260
240	101-4	N/A	441	N/A	-360F	360-380-400-420	-182C	182-193-204-215
240	101-4	N/A	441	N/A	-390F	390-400-410-420	-198C	198-204-210-215
240	101-4	N/A	441	N/A	-391F	390-410-435-450	-199C	198-210-223-232
240	101-4	N/A	441	N/A	-420F	420-435-450-465	-215C	215-223-232-240
240	101-4	N/A	441	N/A	-435F	435-450-465-490	-223C	223-232-240-254

***Part No. 440 – Special Unmarked Security MICRO Four-Position, Round.**
 Customer selection of any four recording temperature positions listed above.
 Note: no temperatures are printed on this mylar Temp-Plate. A legend supplied with each box provides identification of the selected points. Minimum is 100°F (37°C), Maximum is 350°F (176°C). Perfect for warranty work. **Two box minimum order.** Order as Part No. 440 and specify the four positions you require, or use the Range Code Suffix if you wish to use the points as specified.

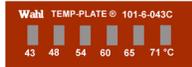


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Temp-Plate Available Temperature Points



MINI Eight-Position
Base Part No. 101-8
 .38" X 1.5" (10 X 38mm)
 Shipped in boxes of 10



MINI Six-Position
Base Part No. 101-6
 .38" X 1.16" (10 X 29mm)
 Shipped in boxes of 10



MICRO Three-Position
Base Part No. 430
 .13" X .30" (3 X 8mm)
 Shipped in boxes of 10



Single-Position Round
Base Part No. 414
 .56" Diameter (14mm)
 Shipped in bags of 20

Temp-Plates are shown actual size

RANGE CODE SUFFIX FOR EIGHT POSITION, Base Part No. 101-8

Suffix	°F Positions	Suffix	°C Positions
-110F	110-120-130-140-150-160-170-180	-043C	43-48-54-60-65-71-76-82
-190F	190-200-210-220-230-240-250-260	-087C	87-93-98-104-110-115-121-126
-270F	270-280-290-300-310-320-330-340	-132C	132-137-143-148-154-160-165-171
-350F	350-370-390-410-435-450-465-500	-176C	176-187-198-210-223-232-240-260

RANGE CODE SUFFIX FOR SIX-POSITION, Base Part No. 101-6

Suffix	°F Positions	Suffix	°C Positions
-110F	110-120-130-140-150-160	-043C	43-48-54-60-65-71
-170F	170-180-190-200-210-220	-076C	76-82-87-93-98-104
-230F	230-240-250-260-270-280	-110C	110-115-121-126-132-137
-290F	290-300-310-320-330-340	-143C	143-148-154-160-165-171
-350F	350-360-370-380-390-400	-176C	176-182-187-193-198-204
-420F	420-435-450-465-480-500	-215C	215-223-232-240-248-260

RANGE CODE SUFFIX FOR THREE-POSITION, Base Part No. 430

Suffix	°C Positions	Suffix	°C Positions	Suffix	°F Positions
-043C	43-48-54	-110C	110-115-121	-180F	180-190-200F
-060C	60-65-71	-121C	121-126-132	-181F	180-190-210F
-076C	76-82-87	-126C	126-132-137	-182F	180-200-220F
-082C	82-93-104	-143C	143-148-154		
-093C	93-98-104	-160C	160-165-171		
-104C	104-115-121				

RANGE CODE SUFFIX FOR SINGLE POSITION, Base Part No. 414

Suffix	°F & °C Positions	Suffix	°F & °C Positions	Suffix	°F & °C Positions
NA	95°F and 35°C	-210F-099C	210°F and 99°C	-350F-177C	350°F and 177°C
-100F-038C	100°F and 38°C	-220F-104C	220°F and 104°C	-360F-182C	360°F and 182°C
-105F-041C	105°F and 41°C	-230F-110C	230°F and 110°C	-370F-188C	370°F and 188°C
-110F-043C	110°F and 43°C	-240F-116C	240°F and 116°C	-380F-193C	380°F and 193°C
-115F-046C	115°F and 46°C	-250F-121C	250°F and 121°C	-390F-199C	390°F and 199°C
-120F-049C	120°F and 49°C	-260F-127C	260°F and 127°C	-400F-204C	400°F and 204°C
-130F-054C	130°F and 54°C	-270F-132C	270°F and 132°C	-410F-210C	410°F and 210°C
-140F-060C	140°F and 60°C	-280F-138C	280°F and 138°C	-420F-216C	420°F and 216°C
-150F-066C	150°F and 66°C	-290F-143C	290°F and 143°C	-435F-224C	435°F and 224°C
-160F-071C	160°F and 71°C	-300F-149C	300°F and 149°C	-450F-232C	450°F and 232°C
-170F-077C	170°F and 77°C	-310F-154C	310°F and 154°C	-465F-241C	465°F and 241°C
-180F-082C	180°F and 82°C	-320F-160C	320°F and 160°C	-480F-249C	480°F and 249°C
-190F-088C	190°F and 88°C	-330F-166C	330°F and 166°C	-490F-254C	490°F and 254°C
-200F-093C	200°F and 93°C	-340F-171C	340°F and 171°C	-500F-260C	500°F and 260°C

Temp-Plate's are built to order in our Asheville, NC factory. If your process requires an option not shown here please call Customer Service.

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Temp-Plate Available Temperature Points



**Single-Position
Base Part No. 210**
1" X .75" (25 X 19mm)
Shipped in boxes of 10

RANGE CODE SUFFIX FOR SINGLE POSITION, Base Part No.210

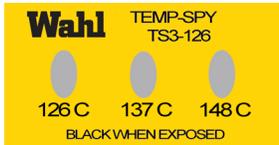
Suffix	°C Position	Suffix	°F Position
-043C	43°C	-095F	95°F
-054C	54°C	-220F	220°F
-071C	71°C	-270F	270°F

Note: Part No. 210 may be ordered in any other temperature point specifically listed in this data sheet from 90°F to 350°F or 32°C to 176°C.
Order by using base part number 210 with suffix identifying the desired temperature point in °F or °C. Example: 210-220F.

Temp-Spy Economy Temp-Plate's Available Temperature Points

Temp-Spy is an all plastic, self adhesive temperature recording label that is non-reversible. It is designed and produced in our US factory to meet the needs of high volume users who need a quality product, low cost, and rapid delivery.

- Low Cost Temperature Labels
- Highly Visible, Easy to Read
- Yellow format is easily seen at a distance, pinpointing hot spots
- Model TS3 covers a narrow range of approximately 20°C with 3 indicators.



**Economy Three-Position
Base Part No. TS3**
.75" X 1.5" (19 X 38mm)
Shipped in bags of 20

Temp-Plates are shown actual size

RANGE CODE SUFFIX FOR THREE-POSITION ECONOMY Base Part No. TS3

Suffix	°C Positions
-43C	43-54-65
-60C	60-71-82
-93C	93-104-115
-126C	126-137-148
-160C	160-171-182
-193C	193-210-223
-232C	232-240-254

Temp-Spy Applications

- Bearings
- Electric Power Connections
- Electronic Modules
- Electric Motors
- Relays
- Steam Traps

Temp-Plates Warranty

One Year Standard warranty when stored in their original container.

The warranty is for the entire label, Increment, adhesive etc. If they fail or you find issues with the workmanship of the product within one year they are covered by the warranty. The five year guarantee is for the "stickiness" of the label.

Palmer Wahl Warranty

Manufacturer warrants all products listed in this catalog to be free from defects in material or workmanship under normal use and service. The Manufacturer agrees to repair or replace any product which upon examination is revealed to have been defective due to faulty workmanship or material if returned to our factory, transportation charges prepaid, within the product specific warranty period stated in the catalog by the manufacturer. This warranty is in lieu of all other warranties, expressed or implied and of all obligations or liabilities on its part for damages including but not limited to consequential damages, following the use or misuse of instruments sold by the Manufacturer. No agent is authorized to assume for manufacturer any liability except as set forth above. Product is automatically registered for warranty by serial number at time of purchase. Serial number must remain attached to product upon return.



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