



TEMP-PLATE® Standard Irreversible Temperature Recording Labels

FEATURES

- Five year Shelf Life
- 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 information.
- Calibrated to ±1% NIST traceable accuracy from 90°F to 500°F (32°C to 260°C)
- Wide selection of temperature ranges (both °F and °C), sizes, and number of recording positions
- Provides a permanent record of overheating
- High-visibility graphics (red, white and black) ensure easy, quick, and positive readings, even in low-light conditions and small label sizes
- Each temperature position is clearly printed with the rated temperature
- Resistant, when properly installed, to solvents, fuels, grease, oil, water and steam
- Continuous monitoring with no interruption due to power failure or battery exhaustion

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 ± 1% accuracy. With proper installation, Temp-Plates resist exposure to solvents, fuels, grease, oil, water and steam.

TEMP-PLATE STANDARD SPECIFICATIONS

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 (0.330mm).

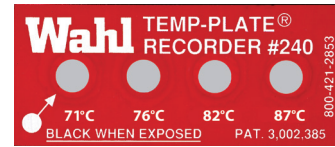
SHELF LIFE - Temp-plates are guaranteed to stick for a minimum of five years from date of manufacture when stored in their original container under the following conditions:

STORAGE - Temp-Plate Labels with indication points of 120°F (48°C) or below should be refrigerated upon receipt to prevent any temperature points from turning prematurely. Temp-Plate Labels with indication points above 120°F (48°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.

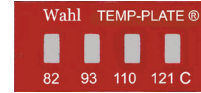
INSTALLATION - Surface to be monitored should be clean and dry. Peel backing material from Temp-Plate and press adhesive side firmly against the surface. Use fingers to smooth out all air bubbles beneath Temp-Plate

IMPORTANT NOTE: All labels 120°F/48°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 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.

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



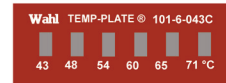
MINI Four-Position
Base Part No. 101-4
.38" X .82" (10 X 21mm)
Shipped in boxes of 10



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



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



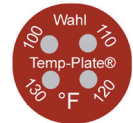
MINI Six-Position
Base Part No. 101-6
.38" X 1.16" (10 X 29mm)
Shipped in boxes of 10



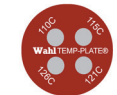
Single-Position Round
Base Part No. 414
.56" Diameter (14mm)
Shipped in bags of 20



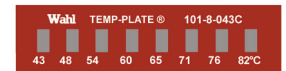
Single-Position
Base Part No. 210
1" X .75" (25 X 19mm)
Shipped in bags of 30



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



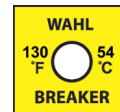
MICRO Four-Position, Round
Base Part No. 442
.25" Diameter (6mm)
Shipped in boxes of 10



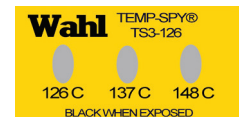
MINI Eight-Position
Base Part No. 101-8
.38" X 1.5" (10 X 38mm)
Shipped in boxes of 10



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



Single-Position
Base Part No. WB130
.470" X .470" (11.93 X 11.93mm)
Shipped in bags of 30



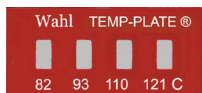
TS3
Base Part No. TS3
.75" X 1.5" (19 X 38mm)
Shipped in bags of 20



AVAILABLE TEMPERATURE POINTS



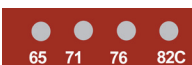
STANDARD Four-Position
Base Part No. 240
.75" X 1.75" (19 X 44mm)



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 boxes 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



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

TEMP-PLATE SIZE and AVAILABILITY					RANGE CODE SUFFIX			
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	441**	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	441	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).

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

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

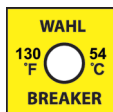
RANGE CODE SUFFIX FOR THREE-POSITION, Base Part No. 430

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 Position	Suffix	°F & °C Position	Suffix	°F & °C Position
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

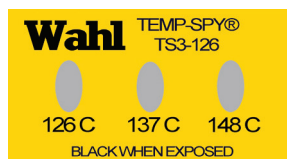
AVAILABLE TEMPERATURE POINTS



Single-Position
Base Part No. WB130
.470" X .470" (11.93 X 11.93mm)
Shipped in bags of 30



Single-Position
Base Part No. 210
1" X .75" (25 X 19mm)
Shipped in bags of 30



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

Wahl Breaker Overheat Indicators for Predictive Maintenance

Continuously Monitors Circuit Breaker & Electrical Equipment Temperature with no interruption due to power failure or battery exhaustion. Provides a permanent record of overheating.

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

*Custom Temperature Points available for Part No. 210.

Any other temperature point from 90°F to 350°F or 32°C to 176°C may be ordered.

Order by using base part number 210 with suffix identifying the desired temperature point in °F or °C.
 Example: 210-220F.

RANGE CODE SUFFIX Base Part No. TS3

Suffix	°C Position
-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

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.