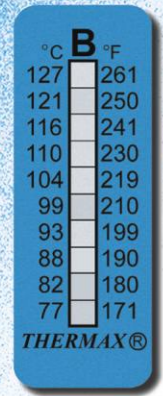


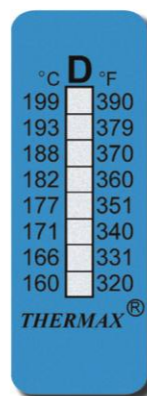
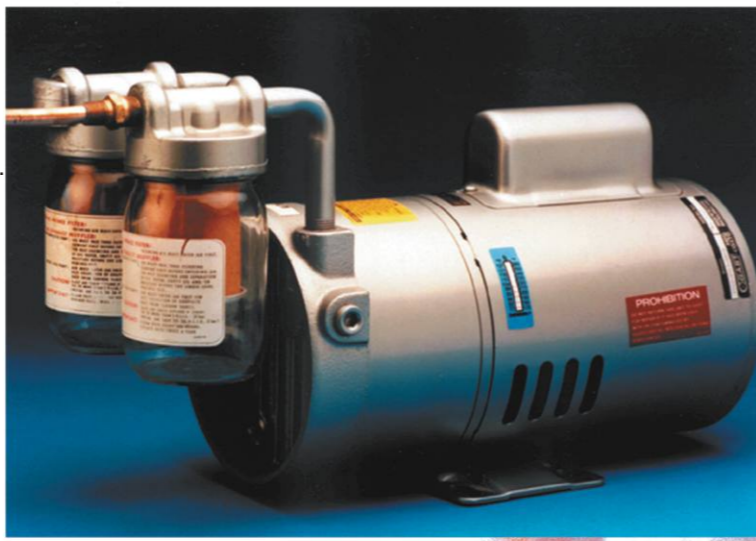
THERMAX[®] Surface Temperature Irreversible Indicators & Strips

Available over a range of 29 °C to +290 °C, (+84 °F to + 554 °F), there is a THERMAX[®] indicator or strip for every application. Irreversibility provides the benefit of recording a permanent change if an indicator has been exposed to temperatures in excess of its rating, and in so doing, supplies a tamperproof display of reassurance. Call 1-800-TIP-TEMP to discuss your application or request our sample pack



10 Level Strips

°C	°F	Specification
A 40 - 71	104 - 160	Size: 51 by 18mm (2 by 0.7")
B 77 - 127	171 - 261	Type: Vertical, self adhesive,
C 132 - 182	270 - 360	Scale: °C °F
D 188 - 249	370 - 480	Range: Sold in units of 10



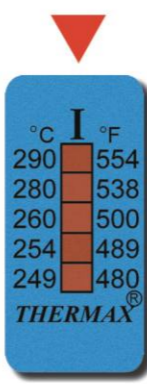
8 Level Strips

°C	°F	Specification
A 37 - 65	99 - 149	Size: 51 by 18mm (2 by 0.7")
B 71 - 110	160 - 230	Type: Vertical, self adhesive,
C 116 - 154	241 - 309	Scale: °C °F
D 160 - 199	320 - 390	Range: Sold in units of 10
E 204 - 260	399 - 500	



6 Level Mini Strips

°C	°F	Specification
1 29 - 42	84 - 108	Size: 12 by 32mm (0.47 by 1.26")
2 44 - 62	111 - 144	Type: Horizontal, self adhesive,
3 65 - 93	149 - 199	Scale: °C °F
4 99 - 127	210 - 261	Range: Sold in units of 10
5 132 - 160	270 - 320	
6 166 - 193	331 - 379	
7 199 - 232	390 - 450	
8 241 - 290	466 - 554	



5 Level Strips

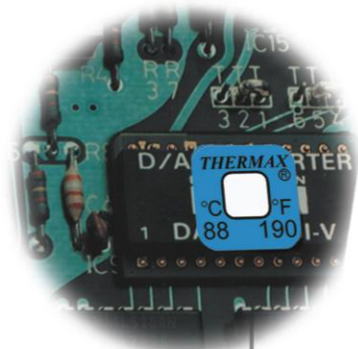
°C	°F	Specification
A 37 - 46	99 - 115	Size: 39 by 18mm (1.53 by 0.70")
B 49 - 71	120 - 160	Type: Vertical, self adhesive,
C 77 - 99	171 - 210	Scale: °C °F
D 104 - 127	219 - 261	Range: Sold in units of 10
E 132 - 154	270 - 309	
F 160 - 182	320 - 360	
G 188 - 210	370 - 410	
H 216 - 249	421 - 480	
I 249 - 290	480 - 554	
S 29 - 40	84 - 104	

Major applications include:

- Motor industry
- Food processing
- Aerospace industry
- Electronics industry
- Pharmaceutical companies

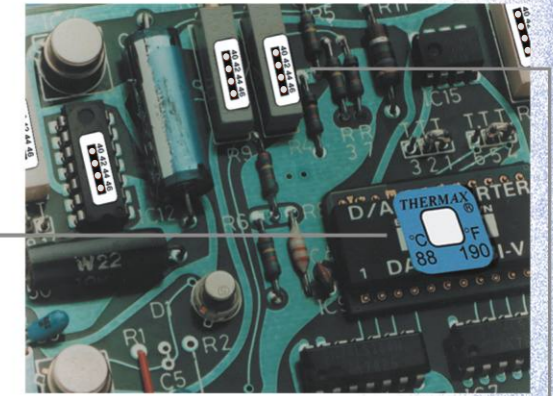
TMC have been involved in temperature measurement for the past 30 years and have obtained a commanding position within the world market, offering solutions to your irreversible temperature measurement requirements.

As a company, we continue to grow and move forward by helping customers develop their specialist applications in temperature measurement.



Encapsulated Indicators

°C	°F	Specification
29 33 34 37	84 91 93 99	Size: 12 by 13mm (0.47 by 0.51")
40 42 43 44	104 108 109	Type: Single temperature indicator
46 49 54 60	111 115 120	Shows when maximum temperature
62 65 71 77	129 140 144	has been achieved.
82 88 93 99	149 160 171	Self adhesive.
104 110 116	180 190 199	Scale: °C and °F
121 127 132	210 219 230	Range: Sold in units of 50
138 143 149	241 250 261	
154 160 166	270 280 289	
171 177 182	300 309 320	
188 193 199	331 340 351	
204 210 216	360 370 379	
224 232 241	390 399 410	
249 254 260	421 435 450	
280 290	466 480 489	
	500 536 554	



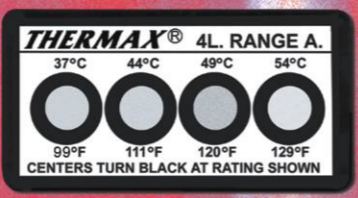
4 Level Micro Labels

°C	Specification
1 40 - 46	Size: 4 by 11mm (0.15 by 0.43")
2 49 - 65	Type: Horizontal, self adhesive.
3 71 - 88	Scale: °C
4 93 - 110	Range: Sold in units of 10
5 116 - 132	
6 138 - 154	
7 160 - 177	
8 182 - 199	
9 204 - 224	



4 Level Strips

°C	°F	Specification
A 37 - 54	99 - 129	Size: 23 by 45mm (0.91 by 1.77")
B 60 - 77	140 - 171	Type: Horizontal, self adhesive,
C 82 - 99	180 - 210	Scale: °C °F
D 104 - 121	219 - 250	Range: Sold in units of 10
E 127 - 143	261 - 289	
F 149 - 166	300 - 331	
G 171 - 188	340 - 370	
H 193 - 210	379 - 410	
I 216 - 241	421 - 466	
J 279 - 290	480 - 554	



Irreversible low temperature indicators

Low temperatures on vaccines and foods can be monitored with products such as the Chill Checker or Thaw Alert.

Chill Checker

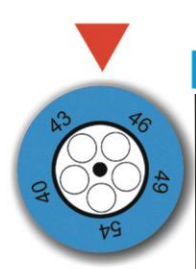
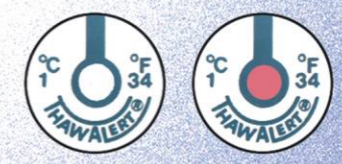
°C	Specification
1 -17	Size: 32mm dia. By 6mm deep (1.25 by 0.23")
2 -8	Type: CC Series circular
3 -5	Scale: °C
4 -2	Range: Sold in units of 10
5 +5	
6 +9	
7 +17	
8 +20	



Turns to a colour once exposed to its temperature limit.

Thaw Alert

°C	°F	Specification
1 -17	+1	Size: 18mm diameter (0.70")
2 -8	+18	Type: A self adhesive, flat circular label
3 -6	+21	Scale: °C and °F
4 -2	+28	Range: Sold in reels of 1000
5 +1	+39	
6 +4	+41	
7 +5	+51	
8 +11	+52	
9 +14	+57	
10 +17	+63	



Clock Indicators

°C	°F	Specification
1 40 - 54	104 - 129	Size: 15mm diameter (0.59")
2 60 - 82	140 - 180	Type: Circular, self adhesive,
3 88 - 110	190 - 230	Scale: °C °F
4 116 - 138	241 - 280	Range: Sold in units of 10
5 143 - 166	289 - 331	
6 171 - 193	340 - 379	
7 199 - 224	390 - 435	
8 232 - 260	450 - 500	



THERMAX Irreversible Indicators & Strips

Specialised Products



Axle Box Indicator
Used to monitor railway axle box temperatures during operation.

Signal Strips
These strips give a clear indication in low lit areas as different colour changes enable easier reading.



Temperature Recorder
Attached to engine blocks, it ensures that overheating has not taken place within the warranty period.

Temperature Monitor
Used for mass component testing on PCB boards.

93	93
82	82
71	71
60	60



FIREWATCH Glove Indicator
Colour changes to black when the temperature exceeds the safety levels fire fighters are recommended to work in.



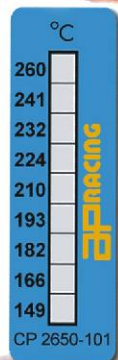
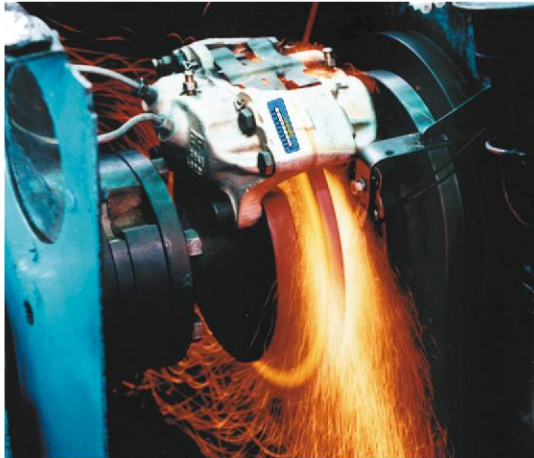
Fire Ladder Indicators
Shows if aluminium ladders have been exposed to temperatures over 149°C/300°F.

The FIREWATCH Indicator
The label is a self adhesive circular indicator which can be easily fitted to hotel doors or existing spy hole.

Battery Indicator
The battery indicator is used on industrial batteries to ensure that the casing is bonded to the internal components.
Typical temperatures are 99°C and 149°F



Brake calliper testing courtesy of AP Lockheed Ltd.



Brake Calliper Monitor
Used to ensure that the brake calliper fluid does not overheat and cause excessive brake fade and failure.

For specific enquiries or requirements please contact sales@tiptemp.com

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Cherry Hill, NJ 08002
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Fax: 1-856-317-5720
www.tiptemp.com
sales@tiptemp.com

The information in this brochure is correct at the time of publication. However, as we are continually revising our product range, specifications are subject to change and the information herein should not be relied upon by an individual customer unless specifically confirmed by us before an order is placed. None of the products featured are manufactured for or held out as suitable for use in spacecraft, satellites, their launch vehicles or other aerospace applications and any customer wishing to purchase products for such use should make specific enquiries.

32 °F



IRREVERSIBLE INDICATORS AND STRIPS

212 °F



-273.15 °C