

Therman Temperature Indicators

- Immediate and Permanent Record of Highest Temperature
- Oil and Water Resistant
- Self Adhesive Label
- Accuracy:
 - Less than 100°C is $\pm 1^{\circ}\text{C}$
 - 100°C to 154°C is $\pm 1.5^{\circ}\text{C}$
 - Greater than 154°C is $\pm 4^{\circ}\text{C}$
- Temperature Range 29-290°C
- Silver to Black (Below 204°C)
- Orange to Black (Above 210°C)
- Last Black Event is the Highest Temperature Achieved

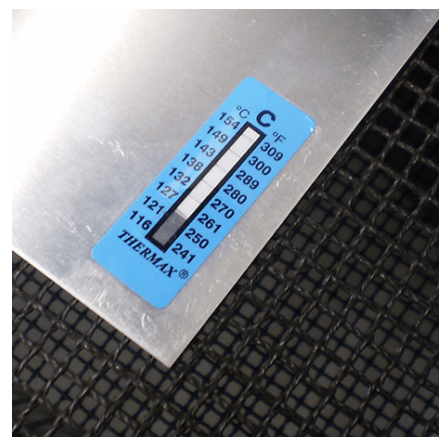
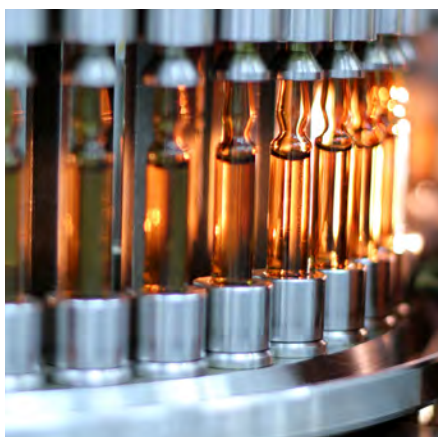
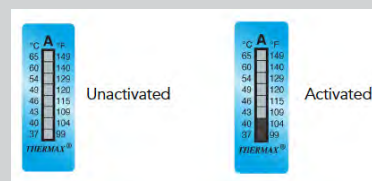
The Therman Temperature Indicators are a series of temperature labels that will permanently record the highest temperature reached.

These self adhesive labels consist of a series of temperature sensitive elements sealed between heat-resistant substrates with transparent windows. Each element changes colour distinctly as its rated temperature is exceeded. The changes are irreversible, providing a temperature history of the surface being monitored. The labels will not de-laminate when removed for reference and can be attached to an inspection report to serve as a permanent record.

The temperature sensitive elements are phase change indicators which use the sharply defined melting points of a series of specially purified organic chemicals to give the unique, high precision, colour change effects. Each temperature element uses a different chemical compound and is made separately by applying a coating containing the chemical to a special absorptive paper substrate. When the rated temperature is exceeded, the chemical melts and is absorbed by the substrate, causing a permanent colour change. Up to ten elements can be combined together on a single label.

INTERPRETING THE THERMAX

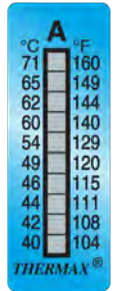
A colour change from silver white/orange to black indicates the highest temperature that has been reached.



10 LEVEL SPECIFICATIONS

- Size: 51mm x 18mm
- Scale: °F and °C
- Type: Vertical, Self Adhesive

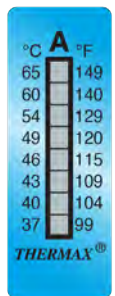
A	°F	99	104	111	115	120	129	140	144	149	160
	°C	37	40	44	46	49	54	60	62	65	71
B	°F	171	180	190	199	210	219	230	241	250	261
	°C	77	82	88	93	99	104	110	116	121	127
C	°F	270	280	289	300	309	320	331	340	351	360
	°C	132	138	143	149	154	160	166	171	177	182
D	°F	370	379	390	399	410	421	435	450	466	480
	°C	188	193	199	204	210	216	224	232	241	249



8 LEVEL SPECIFICATIONS

- Size: 51mm x 18mm
- Scale: °F and °C
- Type: Vertical, Self Adhesive

A	°F	99	104	109	115	120	129	140	149	
	°C	37	40	43	46	49	54	60	65	
B	°F	160	171	180	190	199	210	219	230	
	°C	71	77	82	88	93	99	104	110	
C	°F	241	250	261	270	280	289	300	309	
	°C	116	121	127	132	138	143	149	154	
D	°F	320	331	340	351	360	370	379	390	
	°C	160	166	171	177	182	188	193	199	
E	°F	399	410	421	435	450	466	480	489	500
	°C	204	210	216	224	232	241	249	254	260



1	°F	105	110	115	120	130
	°C	40	43	46	49	54
2	°F	140	150	160	170	180
	°C	60	65	71	77	82
3	°F	190	200	210	220	230
	°C	88	93	99	104	110
4	°F	240	250	260	270	280
	°C	116	121	127	132	138
5	°F	290	300	310	320	330
	°C	143	149	154	160	166
6	°F	340	350	360	370	380
	°C	171	177	182	188	193
7	°F	390	400	410	420	435
	°C	199	204	210	216	224
8	°F	450	465	480	490	500
	°C	232	241	249	254	260

1	°F	84	93	99	104	108	111
	°C	29	34	37	40	42	44
2	°F	111	115	120	129	140	144
	°C	44	46	49	54	60	62
3	°F	149	160	171	180	190	199
	°C	65	71	77	82	88	93
4	°F	210	219	230	241	250	261
	°C	99	104	110	116	121	127
5	°F	270	280	289	300	309	320
	°C	132	138	143	149	154	160
6	°F	331	340	351	360	370	379
	°C	166	171	177	182	188	193
7	°F	390	399	410	421	435	450
	°C	199	204	210	216	224	232
8	°F	466	480	489	500	536	554
	°C	241	249	254	260	280	290

5 LEVEL CLOCK SPECIFICATIONS

- Size: 14mm Dia.
- Type: Circular, Self Adhesive
- Scale: °F and °C



6 LEVEL SPECIFICATIONS

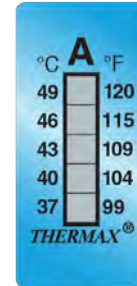
- Size: 12mm x 32mm
- Scale: °F and °C
- Type: Horizontal, Self Adhesive



5 LEVEL SPECIFICATIONS

- Size: 51mm x 18mm
- Scale: °F and °C
- Type: Vertical, Self Adhesive

A	°F	99	104	109	115	120
	°C	37	40	43	46	49
B	°F	120	129	140	149	160
	°C	49	54	60	65	71
C	°F	171	180	190	199	210
	°C	77	82	88	93	99
D	°F	219	230	241	250	261
	°C	104	110	116	121	127
E	°F	270	280	289	300	309
	°C	132	138	143	149	154
F	°F	320	331	340	351	360
	°C	160	166	171	177	182
G	°F	370	379	390	399	410
	°C	188	193	199	204	210
H	°F	421	435	450	466	480
	°C	216	224	232	241	249
I	°F	480	489	500	536	554
	°C	249	254	260	280	290



SINGLE TEMPERATURE SPECIFICATIONS

- Size: 12mm x 13mm
- Scale: °F and °C
- Type: Single temperature indicator shows when maximum temperature has been achieved.
- Self adhesive.

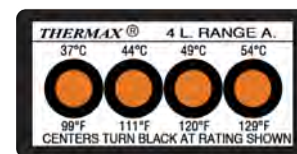
°F	93	99	104	109	115	120	129	140
°C	34	37	40	43	46	49	54	60
°F	149	160	171	180	199	219	241	261
°C	65	71	77	82	93	104	116	127
°F	280	300	320	340	360	380	399	421
°C	138	149	160	171	182	193	204	216
°F	450	480	500	536	554			
°C	232	249	260	280	290			



A	°F	99	111	120	129
	°C	37	44	49	54
D	°F	219	230	241	250
	°C	104	110	116	121
E	°F	261	270	280	289
	°C	127	132	138	143
F	°F	300	309	320	331
	°C	149	154	160	166

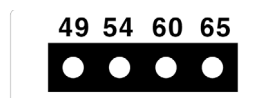
4 LEVEL SPECIFICATIONS

- Size: 23mm x 45mm
- Type: Horizontal, Self Adhesive
- Scale: °F and °C



4 LEVEL MICRO SPECIFICATIONS

- Size: 4mm x 11mm
- Type: Horizontal, Self Adhesive
- Scale: °F or °C



2	°F	120	130	140	150
	°C	49	54	60	65
4	°F	200	210	220	230
	°C	93	99	104	110
5	°F	240	250	260	270
	°C	116	121	127	132
7	°F	320	330	340	350
	°C	160	166	171	177
8	°F	360	370	380	390
	°C	182	188	193	199
9	°F	400	410	420	435
	°C	204	210	216	224