

# TMCHallcrest

## Surface Temperature Monitoring System

### THERMAX®

#### Irreversible Temperature Sensitive Products



### IRREVERSIBLE LABELS

A fast, simple temperature monitoring system based on Proprietary colour change technology

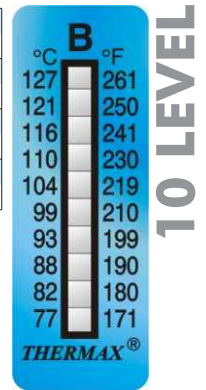
- ◆ Inexpensive and Easy to Use
- ◆ Immediate Response
- ◆ Permanent Record of Highest Temperature
- ◆ Oil, Water and Steam Resistant
- ◆ Accuracy Tolerances
  - 29°C to 99°C is +/-1°C
  - 100 to 154°C is +/-1.5°C
  - 160°C to 280°C +/- (1%+1°C)
- ◆ Temperature range 29-290°C
- ◆ Labels or Strips
- ◆ Silver to Black Colour Change
- ◆ Last Black Event is the highest temperature achieved

#### THERMAX 10 LEVEL STRIPS

<b>A</b>	°C	40	42	44	46	49	54	60	62	65	71
	°F	104	108	111	115	120	129	140	144	149	160
<b>B</b>	°C	77	82	88	93	99	104	110	116	121	127
	°F	171	180	190	199	210	219	230	241	250	261
<b>C</b>	°C	132	138	143	149	154	160	166	171	177	182
	°F	270	280	289	300	309	320	331	340	351	360
<b>D</b>	°C	188	193	199	204	210	216	224	232	241	249
	°F	370	379	390	399	410	421	435	450	466	480

#### Specifications:

Size: 51 x 18mm (2.00" x 0.7")  
 Type: Vertical, Self adhesive,  
 Scale: °C and °F  
 Range: (Sold in units of 10)

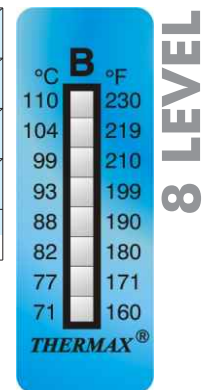


#### THERMAX 8 LEVEL STRIPS

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

#### Specifications:

Size: 51 x 18mm (2.00" x 0.7")  
 Type: Vertical, Self adhesive,  
 Scale: °C and °F  
 Range: (Sold in units of 10)



#### THERMAX 6 LEVEL MINI STRIPS

<b>1</b>	°C	29	33	34	37	40	42
	°F	84	91	93	99	104	108
<b>2</b>	°C	44	46	49	54	60	62
	°F	111	115	120	129	140	144
<b>3</b>	°C	65	71	77	82	88	93
	°F	149	160	171	180	190	199
<b>4</b>	°C	99	104	110	116	121	127
	°F	210	219	230	241	250	261
<b>5</b>	°C	132	138	143	149	154	160
	°F	270	280	289	300	309	320
<b>6</b>	°C	166	171	177	182	188	193
	°F	331	340	351	360	370	379
<b>7</b>	°C	199	204	210	216	224	232
	°F	390	399	410	421	435	450
<b>8</b>	°C	241	249	254	260	280	290
	°F	466	480	489	500	536	554

#### Specifications:

Size: 12 x 32mm (0.47" x 1.26")  
 Type: Horizontal, Self adhesive,  
 Scale: °C and °F  
 Range: (Sold in units of 10)



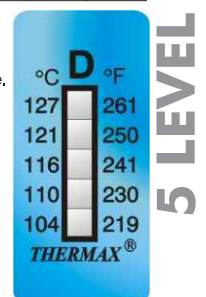
### 6 LEVEL

#### THERMAX 5 LEVEL STRIPS

<b>A</b>	°C	37	40	42	44	46
	°F	99	104	109	111	115
<b>B</b>	°C	49	54	60	65	71
	°F	120	129	140	149	160
<b>C</b>	°C	77	82	88	93	99
	°F	171	180	190	199	210
<b>D</b>	°C	104	110	116	121	127
	°F	219	230	241	250	261
<b>E</b>	°C	132	138	143	149	154
	°F	270	280	289	300	309
<b>F</b>	°C	160	166	171	177	182
	°F	320	331	340	351	360
<b>G</b>	°C	188	193	199	204	210
	°F	370	379	390	399	410
<b>H</b>	°C	216	224	232	241	249
	°F	421	435	450	466	480
<b>I</b>	°C	249	254	260	280	290
	°F	480	489	500	536	554
<b>S</b>	°C	29	33	34	37	40
	°F	84	91	93	99	104

#### Specifications:

Size: 39 x 18mm  
 (1.53" x 0.7")  
 Type: Vertical, Self adhesive,  
 Scale: °C and °F  
 Range: (Sold in units of 10)



### 5 LEVEL

Thermax irreversible temperature strips and indicators provide a permanent record that an item has exceeded its rated temperature and can be used in most applications where temperature is a concern.

# TMCHallcrest

## Surface Temperature Monitoring System

### THERMAX®

#### Strips and Indicators

### APPLICATIONS

#### Pharmaceuticals and Food Stuffs

#### Prevention of heat-related deterioration

During Transportation and Distribution

Prove that a thermal disinfection temperature has been reached

#### Manufacturing—

#### Electronics, Aerospace, Automotive

#### Monitoring temperature surface (curing-bonding)

Confirm that soldering temperatures have been achieved

#### Observing machinery overheating due to friction

Warranty abuse monitor engine component temperature

Confirm temperature integrity in machine maintenance

#### Insure that temperature sensitive products meet installation requirements

Warn users that environmental conditions exceed temperature limits

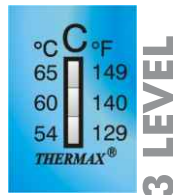
Complies with the essential requirements of the relevant European health, safety and environmental protection legislation  
Conforms to BS EN ISO 9001:2000

#### THERMAX 3 LEVEL STRIPS

<b>A</b>	°C	37	40	42	<b>I</b>	°C	145	160	166
	°F	99	104	108		°F	309	320	331
<b>B</b>	°C	44	46	49	<b>J</b>	°C	171	177	182
	°F	111	115	120		°F	340	351	360
<b>C</b>	°C	54	60	65	<b>K</b>	°C	188	193	199
	°F	129	140	149		°F	370	379	390
<b>D</b>	°C	71	77	82	<b>L</b>	°C	204	210	216
	°F	160	171	180		°F	399	410	421
<b>E</b>	°C	88	93	99	<b>M</b>	°C	224	232	241
	°F	190	199	210		°F	435	450	466
<b>F</b>	°C	104	110	116	<b>N</b>	°C	249	254	260
	°F	219	230	241		°F	480	489	500
<b>G</b>	°C	121	127	132	<b>O</b>	°C	260	280	290
	°F	250	261	270		°F	500	536	554
<b>H</b>	°C	138	143	149	<b>S</b>	°C	29	33	34
	°F	280	289	300		°F	84	91	93

#### Specifications:

Size: 17 x 25mm (0.98" x 0.66")  
Type: Vertical, Self adhesive.  
Scale: °C and °F  
Range: (Sold in units of 10)



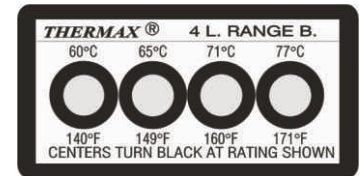
3 LEVEL

#### THERMAX 4 LEVEL STRIPS

<b>A</b>	°C	37	44	49	54	<b>F</b>	°C	149	154	160	166
	°F	99	111	120	129		°F	300	309	320	331
<b>B</b>	°C	60	65	71	77	<b>G</b>	°C	171	177	182	188
	°F	140	149	160	171		°F	340	351	360	370
<b>C</b>	°C	82	88	93	99	<b>H</b>	°C	193	199	204	210
	°F	180	190	199	210		°F	379	390	399	410
<b>D</b>	°C	104	110	116	121	<b>I</b>	°C	216	224	232	241
	°F	219	230	241	250		°F	421	435	450	466
<b>E</b>	°C	127	132	138	143	<b>J</b>	°C	249	260	280	290
	°F	261	270	280	289		°F	480	500	536	554

#### Specifications:

Size: 23 x 45mm (0.91" x 1.77")  
Type: Horizontal, Self adhesive.  
Scale: °C and °F  
Range: (Sold in units of 10)



4 LEVEL

#### THERMAX 4 LEVEL MICRO LABELS

<b>1</b>	°C	40	42	44	46
	°F	104	108	111	115
<b>2</b>	°C	49	54	60	65
	°F	120	129	140	149
<b>3</b>	°C	71	77	82	88
	°F	160	171	180	190
<b>4</b>	°C	93	99	104	110
	°F	199	210	219	230
<b>5</b>	°C	116	121	127	132
	°F	241	250	261	270
<b>6</b>	°C	138	143	149	154
	°F	280	289	300	309
<b>7</b>	°C	160	166	171	177
	°F	320	331	340	351
<b>8</b>	°C	182	188	193	199
	°F	360	370	379	390
<b>9</b>	°C	204	210	215	224
	°F	399	410	421	435



4 LEVEL MICRO

#### Specifications:

Size: 4 x 11mm (0.15" x 0.43")  
Type: Horizontal, Self adhesive.  
Scale: °C  
Range: (Sold in units of 10)

#### THERMAX CLOCK INDICATORS

<b>1</b>	°C	40	43	46	49	54
	°F	104	109	115	120	129
<b>2</b>	°C	60	65	71	77	82
	°F	140	149	160	171	180
<b>3</b>	°C	88	93	99	104	110
	°F	190	199	210	219	230
<b>4</b>	°C	116	121	127	132	138
	°F	241	250	261	270	280
<b>5</b>	°C	143	149	154	160	166
	°F	289	300	309	320	331
<b>6</b>	°C	171	177	182	188	193
	°F	340	351	360	370	379
<b>7</b>	°C	199	204	210	216	224
	°F	390	399	410	421	435
<b>8</b>	°C	232	241	249	254	260
	°F	450	466	480	489	500



CLOCK

#### Specifications:

Size: 15mm Diameter (0.59")  
Type: Circular, Self adhesive.  
Scale: °C and °F  
Range: (Sold in units of 10)

Distributed/sold by: