

VPL Irreversible Temperature Indicating labels consists of heat sensitive indicator sealed under a transparent heat resistant circle. The indicator circle turns to pinkish red at the temperature rating mentioned on the label. Once the colour changes it will not go back to white colour (Irreversible).

Description	Labels up to 170°C	Labels from 170°C to 210°C
Adhesive Type	Acrylic	Modified Acrylic
Carrier	Polyester	Tissue
Covering film	Aluminium film	Aluminium film
Colour change material	Non- toxic, while solid on absorbing sheet pasted on an aluminum foil which interturn adhered with acrylic / Modified Acrylic adhesive	
Shelf life	1 year from the date of manufacture provided if the labels are stored at room temperature (below 25 °C and 45- to 50% RH)	

Temperature ranges: Tempindic Crayons starts from 380C/1000F to 2100C /4100F

Temperature Intervals: 5, 10, 15, 20 and 25 deg C /Deg F intervals.

Different Levels: Single, double, three, four, five, six, seven, eight, nine and ten level.

Applications: To monitor the surface temperature of an object, the desired temperature strip should be affixed on to a surface of the object. The white colored circle changes from WHITE to PINKISH RED color as soon as the surface of the object attains the rated temperature of the circle.

Usage: After Remove the adhesive outer liner then stick label on a clean and dry surface of the test component. Once the test component reaches to the temperature of the pasted label, the white circle turns to red (irreversible).

Storage Conditions: Store in a cool, dry place (< 25°C/77°F and 45 to 50% relative humidity).

User Industries: High voltage switching, Wave soldering, Overheat detection of mortar and Cable etc, Baking, Dish washing, Printed circuit boards, Semi-conductor cabinets, Casting, Moulding, Rubber extruding, Cooling water radiator, Wind tunnel, Warranty abuse monitor etc Textile Processing industries

Note: To the best of VPL Industrial Technologies knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, and no warranties of any type, either express or implied, are provided. The information contained herein relates only to this specific product. Data may be changed from time to time.



VPL INDUSTRIAL TECHNOLOGIES PVT. LTD.

(An ISO 9001 : 2015 Certified Company)



VPL Thermo Label (Irreversible) : Deg F Ratings

A simple, cost effective and accurate temperature measurement can be made using VPL Irreversible temperature sensing strips / Labels. Temperature strips / labels are also known as Thermo Labels, Temperature Indicator Strips, Temp. Stickers/ Labels, Thermo Strips, Temperature Sensing Labels etc.

Application: To monitor the surface temperature of an object, the desired temperature strip should be affixed on to a surface of the object. The WHITE coloured circle turns to RED colour as soon as the surface of object attains the rated temperature of circle.

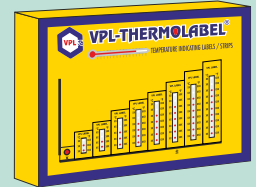
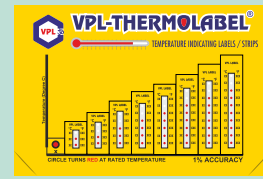
Product Features

- > Calibrated to ± 1% accuracy
- > Self-adhesive
- > Oil, water and steam resistant
- > Rate of response: 5 to 10seconds
- > Irreversible color change
- > Simple, reliable and cost effective
- > Shelf life- One year

Applications : Various applications exist for VPL Labels/Strips, However, these strips are prominently used to determine / monitor surface / operating temperature in

- > High voltage switching, Wave soldering
- > Baking, Dish washing
- > Casting, Moulding, Rubber extruding
- > Automotive Industries
- > Overheat detection of mortar and Cable etc
- > Printed circuit boards, Semi-conductor cabinets
- > Cooling water radiator, Wind tunnel
- > Monitoring Surface temperature of the components

Storage Conditions: Store in a cool, dry place (< 25°C/77°F and 45 to 50% relative humidity).



P: Single Step Thermo Labels (VPLI)

Single Steps Labels: CODE VPLI

°C	38	40	42	43	44	46	49
°F	100	104	108	109	111	115	120
°C	54	60	62	65	71	77	82
°F	129	140	144	149	160	171	180
°C	88	93	99	104	110	116	121
°F	190	199	210	219	230	241	250
°C	127	132	138	143	149	154	160
°F	261	270	280	289	300	309	320
°C	166	171	177	182	188	193	199
°F	331	340	351	360	370	379	390
°C	204	210	216				
°F	399	410	421				
						X- TEMPERATURE	

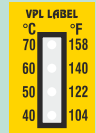
Label Dimension:
Size : 10 x 10 mm
Label Type : Self Adhesive
Packing : 100 Labels



Q : Four Step Thermo Labels (VPLIV)

Four Steps Labels

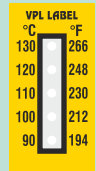
Code	Four Steps Labels				Four Steps Labels				Four Steps Labels								
VPLQ1	°C	37	44	99	54	VPLQ6	°C	93	99	104	110	VPLQ12	°C	160	166	171	177
	°F	100	111	120	129		°F	199	210	219	230		°F	320	331	340	351
VPLQ2	°C	40	42	44	46	VPLQ7	°C	104	110	116	121	VPLQ13	°C	171	177	182	188
	°F	104	108	111	115		°F	219	230	241	250		°F	340	351	360	370
VPLQ3	°C	49	54	60	65	VPLQ8	°C	116	121	127	132	VPLQ14	°C	182	188	193	199
	°F	120	129	140	149		°F	241	250	261	270		°F	360	370	379	390
VPLQ4	°C	60	65	71	77	VPLQ9	°C	127	132	138	143	VPLQ15	°C	193	199	204	210
	°F	140	149	160	171		°F	261	270	280	289		°F	379	390	399	410
VPLQ5	°C	71	77	82	88	VPLQ10	°C	138	143	149	154	Label Dimension:					
	°F	160	171	180	190		°F	280	289	300	309	Size : 28mm L x 16 mm W					
	°C	82	88	93	99		°C	149	154	160	166	Label Type : Self Adhesive					
	°F	180	190	199	210		°F	300	309	320	331	Packing : 50 Labels					



Q : Four Step Thermo Labels (VPLIV)

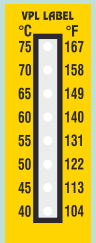
Five Steps Labels

Code	Five Steps Labels					Five Steps Labels					Five Steps Labels								
VPLQ1	°C	38	40	43	46	49	VPLR6	°C	116	121	127	132	138	VPLQ12	°C	160	166	171	177
	°F	100	104	109	115	120		°F	241	250	261	270	280		°F	320	331	340	351
VPLQ2	°C	40	43	46	49	54	VPLR7	°C	132	138	143	149	154	VPLQ13	°C	171	177	182	188
	°F	105	109	115	120	129		°F	270	280	289	300	309		°F	340	351	360	370
VPLQ3	°C	49	54	60	65	71	VPLR8	°C	143	149	154	160	166	VPLQ14	°C	182	188	193	199
	°F	120	129	140	149	160		°F	290	300	309	320	331		°F	360	370	379	390
VPLQ4	°C	60	65	71	77	82	VPLR9	°C	160	166	171	177	182	VPLQ15	°C	193	199	204	210
	°F	140	149	160	171	180		°F	320	331	340	351	360		°F	379	390	399	410
VPLQ5	°C	77	82	88	93	99	VPLR10	°C	171	177	182	188	193	Label Dimension:					
	°F	171	180	190	199	210		°F	340	351	360	370	380	Size : 36mm L x 16 mm W					
VPLQ6	°C	88	93	99	104	110	VPLR11	°C	188	193	199	204	210	Label Type : Self Adhesive					
	°F	190	199	210	219	230		°F	370	379	390	399	410	Packing : 100 Labels					
VPLQ7	°C	104	110	116	121	127													
	°F	219	230	241	250	261													



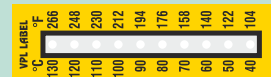
S: Six Step Thermo Labels (VPLVI)

Code	Six Steps Labels						Label Dimension:	Eight Steps Labels (5 Deg Intervals)								Label Dimension:																									
VPLQ1	°C	38	40	42	44	46	49	Size : 36mm L x 16 mm W	VPLQ1	°C	38	40	43	46	49	54	60	65	Label Type : Self Adhesive	VPLQ12	°C	160	166	171	177	182	188	193	199	Packing : 100 Labels	VPLQ12	°C	160	166	171	177	182	188	193	199	
	°F	100	104	108	111	115	120			°F	100	104	109	115	120	129	140	149			°F	320	331	340	351	360	370	379	390												
VPLQ2	°C	44	46	49	54	60	62	Label Type : Self Adhesive	VPLQ2	°C	71	77	82	88	93	99	104	110	Label Type : Self Adhesive	VPLQ13	°C	171	177	182	188	193	199	204	210	Packing : 100 Labels	VPLQ13	°C	171	177	182	188	193	199	204	210	
	°F	111	115	120	129	140	144			°F	160	171	180	190	199	210	219	230			°F	340	351	360	370	379	390	399	410												
VPLQ3	°C	65	71	77	82	88	93	Label Type : Self Adhesive	VPLQ3	°C	116	121	127	132	138	143	149	154	Label Type : Self Adhesive	VPLQ14	°C	182	188	193	199	204	210	216	222	Packing : 100 Labels	VPLQ14	°C	182	188	193	199	204	210	216	222	
	°F	149	160	171	180	190	199			°F	241	250	261	270	280	289	300	309			°F	360	370	379	390	399	410	421	432												
VPLQ4	°C	99	104	110	116	121	127	Label Type : Self Adhesive	VPLQ4	°C	160	166	171	177	182	188	193	199	Label Type : Self Adhesive	VPLQ15	°C	193	199	204	210	216	222	228	234	Packing : 100 Labels	VPLQ15	°C	193	199	204	210	216	222	228	234	
	°F	210	219	230	241	250	261			°F	320	331	340	351	360	370	379	390			°F	379	390	399	410	421	432	443	454												
VPLQ5	°C	132	138	143	149	154	160	Label Type : Self Adhesive	VPLQ5	°C	270	280	289	300	309	320	331	342	353	Label Type : Self Adhesive	VPLQ16	°C	300	310	320	330	340	350	360	370	Packing : 100 Labels	VPLQ16	°C	300	310	320	330	340	350	360	370
	°F	270	280	289	300	309	320			°F	166	171	177	182	188	193	199	204	°F			570	580	590	600	610	620	630	640												
VPLQ6	°C	166	171	177	182	188	193	Label Type : Self Adhesive	VPLQ6	°F	331	340	351	360	370	379	389	399	409	Label Type : Self Adhesive	VPLQ17	°C	331	340	351	360	370	380	390	400	Packing : 100 Labels	VPLQ17	°C	331	340	351	360	370	380	390	400
	°F	331	340	351	360	370	379			°F	662	671	681	690	700	710	720	730	°F			662	671	681	690	700	710	720	730												



U: Ten Step Thermo Labels (VPLX)

Code	Ten Steps Labels (5 Deg Intervals)										Label Dimension:	
VPLQ1	°C	40	42	44	46	49	54	60	62	65	71	Size : 50mm L x 16 mm W
	°F	104	108	111	115	120	129	140	144	149	160	
VPLQ2	°C	77	82	88	93	99	104	110	116	121	127	Label Type : Self Adhesive
	°F	171	180	190	199	210	219	230	241	250	261	
VPLQ3	°C	132	138	143	149	154	160	166	171	177	182	Label Type : Self Adhesive
	°F	270	280	289	300	309	320	331	340	351	360	



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