

### New Irreversible Temperature Labels

These new labels create a permanent record of surface or exposure temperatures above the rated temperature. The indicator permanently darkens when exposed at or above the indicated temperature. Ideal for use on temperature sensitive items during storage, shipping or operation.

Monitor the temperature for perishable food or laboratory products to ensure top quality. Place labels on machinery, motors, pumps, bearings, electrical circuits, raw materials and other critical points to monitor for high temperature exposure. Increases in temperature are good indicators of potential product failure or leakage. Preventive maintenance can save thousands in lost down time.

To use, simply place on your equipment or your package. The self-adhesive labels are resistant to water and oil. If the temperature exceeds any of the points on the label, the circle darkens permanently, even after the temperature drops below the indicated level again.

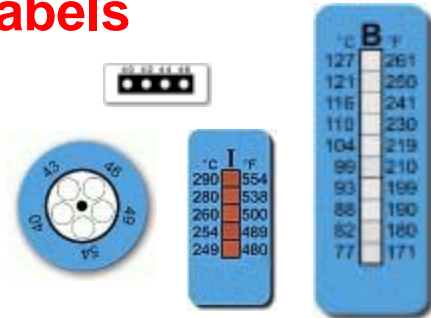
### SPECIFICATIONS

Measurement Range:	See ordering table
Accuracy:	±1°C (±1.8°F) below 154°C (310°F) ±1% above 154°C (310°F)
Shelf Life:	approx 1 year after date of purchase
Storage Temp:	0 to 40°C (0 to 104°F) for best life Max temp 5°C below lowest setpoint.
Special Shipping:	Labels with setpoints of 40°C or below may require express air shipping or special handling to prevent activation while in transit.
Dimensions:	See ordering table.
Shipping Wt:	approx 0.05 kg (0.1 lbs)

### TL001 Ordering Information

**One-Point Square Labels – 50/pk**  
(12.7 x 12.7mm – 1/2" x 1/2")

Part No.	Description
TL001.001	46°C (115°F)
TL001.002	60°C (140°F)
TL001.003	71°C (160°F)
TL001.004	77°C (171°F)
TL001.005	82°C (180°F)
TL001.006	88°C (190°F)
TL001.007	99°C (210°F)
TL001.008	110°C (230°F)
TL001.009	121°C (250°F)
TL001.010	127°C (261°F)
TL001.011	160°C (320°F)



Single  
3-point  
4-point  
5-point  
6-point  
8-point  
10-point

### APPLICATIONS

Shipping perishable product  
Critical storage  
Machine monitoring  
Preventive maintenance

### SPECIAL FEATURES

Single and multiple-point labels  
Permanently darkens at setpoints  
Self-adhesive label backing  
Water and oil-resistant

### TL001 Label Ordering Information

**Three Point Vertical Strip – 10/pk**  
(17 x 25mm – 0.66" x 0.99")

Part No.	Description
TL001.300**	29 - 34°C (84-93°F)
TL001.301**	37 - 42°C (99 - 108°F)
TL001.302	44 - 49°C (111-120°F)
TL001.303	54 - 65°C (129 - 149°F)
TL001.304	71 - 82°C (160 - 180°F)
TL001.305	88 - 99°C (190 - 210°F)
TL001.306	104 - 116°C (219 - 241°F)
TL001.307	121 - 132°C (250 - 270°F)
TL001.308	138 - 149°C (280 - 300°F)
TL001.309	154 - 166°C (309 - 331°F)
TL001.310	171 - 182°C (340 - 360°F)
TL001.311	188 - 199°C (370 - 390°F)
TL001.312	204 - 216°C (399 - 421°F)
TL001.313	224 - 241°C (435 - 466°F)
TL001.314	249 - 260°C (480 - 500°F)
TL001.315	260 - 290°C (500 - 554°F)



# TL001 Temperature Labels



## TL001 Label Ordering Information

Four Point Micro Horizontal Strips – 10/pk  
(4 x 11mm – 0.15" x 0.43")

Part No.	Description
TL001.450	40 - 46°C (104 - 115°F)
TL001.451	49 - 65°C (120 - 149°F)
TL001.452	71 - 88°C (160 - 190°F)
TL001.453	93 - 110°C (199 - 230°F)
TL001.454	116 - 132°C (241 - 270°F)
TL001.455	138 - 154°C (280 - 309°F)
TL001.456	160 - 177°C (320 - 351°F)
TL001.457	182 - 199°C (360 - 390°F)
TL001.458	204 - 224°C (399 - 435°F)



## TL001 Label Ordering Information

Four Point Horizontal Strips – 10/pk  
(23 x 45mm – 0.91" x 1.77")

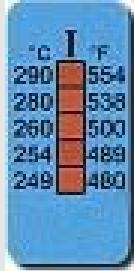
Part No.	Description
TL001.400**	37 - 54°C (99 - 129°F)
TL001.401	60 - 77°C (140 - 171°F)
TL001.402	82 - 99°C (180 - 210°F)
TL001.403	104 - 121°C (219 - 250°F)
TL001.404	127 - 143°C (261 - 289°F)
TL001.405	149 - 166°C (300 - 331°F)
TL001.406	171 - 188°C (340 - 370°F)
TL001.407	193 - 210°C (379 - 410°F)
TL001.408	216 - 241°C (421 - 466°F)
TL001.409	249 - 290°C (480 - 554°F)



## TL001 Label Ordering Information

Five Point Vertical Strips – 10/pk  
(39 x 18mm – 1.53" x 0.7")

Part No.	Description
TL001.500**	29 - 40°C (84 - 104°F)
TL001.501**	37 - 46°C (99 - 115°F)
TL001.502	49 - 71°C (120 - 160°F)
TL001.503	77 - 99°C (171 - 210°F)
TL001.504	104 - 127°C (219 - 261°F)
TL001.505	132 - 154°C (270 - 309°F)
TL001.506	160 - 182°C (320 - 360°F)
TL001.507	188 - 210°C (370 - 410°F)
TL001.508	216 - 249°C (421 - 480°F)
TL001.509	249 - 290°C (480 - 554°F)



## TL001 Label Ordering Information

Five Point Clock Indicators – 10/pk  
(15mm dia. – 0.59")

Part No.	Description
TL001.550	40 - 54°C (104 - 129°F)
TL001.551	60 - 82°C (140 - 180°F)
TL001.552	88 - 110°C (190 - 230°F)
TL001.553	116 - 138°C (241 - 280°F)
TL001.554	143 - 166°C (289 - 331°F)
TL001.555	171 - 193°C (340 - 379°F)
TL001.556	199 - 224°C (390 - 435°F)
TL001.557	232 - 260°C (450 - 500°F)



## TL001 Label Ordering Information

Eight Point Vertical Strips – 10/pk  
(18 x 51mm – 0.7" x 2")

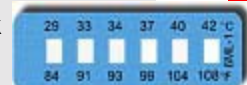
Part No.	Description
TL001.800**	37 - 65°C (99 - 149°F)
TL001.801	71 - 110°C (160 - 230°F)
TL001.802	116 - 154°C (241 - 309°F)
TL001.803	160 - 199°C (320 - 390°F)
TL001.804	204 - 260°C (399 - 500°F)



## TL001 Label Ordering Information

Six Point Horizontal Strips – 10/pk  
(32 x 12mm – 1.26" x 0.47")

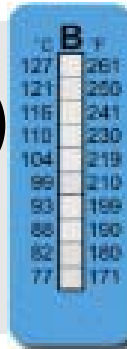
Part No.	Description
TL001.600**	29 - 42°C (84 - 108°F)
TL001.601	44 - 62°C (111 - 144°F)
TL001.602	65 - 93°C (149 - 199°F)
TL001.603	99 - 127°C (210 - 261°F)
TL001.604	132 - 160°C (270 - 320°F)
TL001.605	166 - 193°C (331 - 379°F)
TL001.606	199 - 232°C (390 - 450°F)
TL001.607	241 - 290°C (466 - 554°F)



## TL001 Label Ordering Information

Ten Point Vertical Strips – 10/pk  
(18 x 51mm – 0.7" x 2")

Part No.	Description
TL001.100	40 - 71°C (104 - 160°F)
TL001.101	77 - 127°C (171 - 261°F)
TL001.102	132 - 182°C (270 - 360°F)
TL001.103	188 - 249°C (370 - 480°F)



\*\*Special Handling may be required for shipment to prevent activation.

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