

Time-Temperature Indicator Label



Model 51013-51035



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 Shipping, Storage, Processing

Temperature: -18°C to +37°C
2/12/48 Hours

VISIBILITY

- Sensors are calibrated to match the shelf life of the products they are monitoring.
- Changing color indicates freshness, happening faster at high temperatures, and slower at low temperatures.

AWARENESS

- Color change is irreversible.
- The presence of the sensors makes all parties in the cold chain aware of the link between temperature and freshness.

For Further Information

<https://www.deltatrak.com/warmmark-labels/51013-warm-mark-time-temperature-indicator>



CE Mark, Calibration traceable to NIST,
ROHS Compliant, BSS 7061 Compliant



Product Specifications

WarmMark Time-Temperature Indicator

Models	Response Temp	Window #1	Window #2	Window #3
51013	0°C / 32°F	2 Hr (±0.4 Hr)	12 Hr (±1 Hr)	48 Hr (±2 Hr)
51014	5°C / 41°F	20 Min (±5 Min)	2 Hr (±.4 Hr)	8 Hr (±0.75 Hr)
51017	10°C / 50°F	2 Hr (±0.4 Hr)	12 Hr (±1 Hr)	48 Hr (±2 Hr)
51018	20°C / 68°F	2 Hr (±0.4 Hr)	12 Hr (±1 Hr)	48 Hr (±2 Hr)
51020	30°C / 86°F	20 Min (±5 Min)	2 Hr (±0.4 Hr)	8 Hr (±0.75 Hr)
51021	37°C / 99°F	20 Min (±5 Min)	2 Hr (±0.4 Hr)	8 Hr (±0.75 Hr)
51022	8°C / 46°F	2 Hr (±.4 Hr)	12 Hr (±1 Hr)	48 Hr (±2 Hr)
51034	-18°C / 0°F	1 Hr (±5 Min)	2.5 Hr (±0.4 Hr)	12 Hr (±0.75 Hr)
51035	25°C / 77°F	30 Min (±5 Min)	2 Hr (±0.4 Hr)	8 Hr (±0.75 Hr)



Response Temperatures	-18°C/0°F to 37°C/ 99°F
Accuracy	±1°C of its response temperature
Tag Size	.75 in. x 1.81 in. x .06 in.; (1.9 cm x 4.6 cm x .15 cm)

- Designed for accurate time/ temperature monitoring
- Provides a permanent temperature exposure record that assures your customers of consistent quality
- A blotter paper pad saturated with a red-dyed chemical is specially formulated to melt at the tag's response temperature
- Available in a variety of response temperatures
- Easy to use

DeltaTrak manufactures products under an ISO 9000 registered quality management system

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