

Product Specifications

WarmMark Duo Time-Temperature Indicator

Activation Temperatures	50°F/10°C and 93°F/34°C
Exposure Time Period above 50°F/10°C	Up to 3 days, 8 days, 14 days
Exposure Time Period above 93°F/34°C	Within 30 minutes
Accuracy	± 2°F/± 1°C of response temperatures
Tag Size	3.88 x 0.75 x 0.06 in (98.1 x 19 x 1.5 mm)
Adhesive	Pressure sensitive
Storage Conditions	Unused product must be stored below response temperatures and between 35-55% RH for optimal shelf life
Shelf Life	Two years from date of sale

Before



After



Model 51036

The WarmMark Duo Time-Temperature Indicator is a single use label typically applied to vaccines, pharmaceuticals, and blood products for monitoring conditions during storage, shipping and distribution. It has two response temperatures indicating accumulated time above 50°F/10°C, and brief temperature excursions above 93°F/34°C.

- Accurate time/temperature monitor
- Visual pass/fail confirmation of exposure to temperature excursions
- Irreversible color change indicates length of time above thresholds
- Calibrated to respond within ± 2°F/± 1°C
- Low cost, easy to use

Threshold Temp	Run-Out Times			
	Window 1	Window 2	Window 3	Window 4
50°F / 10 °C	3 days	8 days	14 days	-
93°F / 34°C	-	-	-	Within 30 mins

DeltaTrak manufactures products under an ISO 9001:2008 registered quality management system

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