

# TEMPERATURE INDICATOR WITH DISPLAY



**LogTag**<sup>®</sup>

**TIC20**  
Temperature Indicator  
with 40 Day Display



The LogTag® TIC20 is a disposable electronic temperature indicator for use in monitoring temperature & time statistics in pharmaceutical transport applications of up to 40 days duration.

The LogTag® TIC20 is factory pre-configured with one of two monitoring profiles to meet the WHO PQS parameters.

## WHO PQS Pre-qualified:

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*WHO Type A/B*



*WHO Type C*

# Features

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Records temperature from  $-30^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$ .



Clear indication of temperature history/alarm status at all times.



Meets the WHO PQS performance specification E06/TR07.2.



Review button to display daily statistics in sequence.



Up to 40 days temperature records can be viewed on the display.

# Applications

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Pharmaceuticals Transportation



Vaccine Transportation



Transportation



Air Transportation

# Specifications

<b>Product Model</b>	TIC20
<b>Sensor Measurement Range</b>	-30°C to +60°C (-22°F to +140°F).
<b>Operating Temperature Range</b>	-30°C to +60°C (-22°F to +140°F).
<b>Storage Temperature Range</b>	-30°C to +65°C (-22°F to +149°F).
<b>Rated Temperature Reading Accuracy</b>	Better than ±0.5°C for -10°C to +40°C (+14°F to +104°F). Better than ±1.0°C for -30°C to -10°C (-22°F to +140°F). Better than ±1.0°C for +40°C to +60°C (+104°F to +140°F). <i>Actual performance is typically much better than the rated values.</i>
<b>Rated Temperature Reading Resolution</b>	Less than 0.1°C for -30°C to +60°C.
<b>Sensor Reaction Time</b>	Typically less than 7 minutes (T90) in moving air (1m/s).
<b>Recording Capacity</b>	1st activation of each alarm for each day including trigger time and duration of each excursion.
<b>Sampling Interval</b>	1-15 minutes, factory set to 6 minute interval for profile 0006 (i.e. 0.1hour).
<b>Logging Start Options</b>	Push button start or specific date.
<b>Recording Indication</b>	Alarms are displayed on a custom LCD.
<b>Environmental</b>	IP64.
<b>Power Source</b>	CR2032 3V LiMnO <sub>2</sub> Battery (Fixed).
<b>Battery Life</b>	Minimum storage life of 5 years before 'start'. Monitoring period: 40 days. Minimum accessibility (display) period of 6 months after 'stopped'.
<b>Real Time Clock</b>	Built-in real time clock. Typical accuracy ±25ppm @ 25°C (equivalent to 2.5 seconds/day). Rated temperature coefficient is -0.034 ±0.006ppm/°C (i.e typically +/- 0.00294 seconds/day/°C).
<b>Size</b>	73mm(H) x 54.5mm(W) x 8.6mm(T).
<b>Weight</b>	30g.
<b>Case Material</b>	Polycarbonate.

