

TEMPERATURE INDICATOR WITH DISPLAY



LogTag[®]

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:



WHO Type A/B



WHO Type C

Features



Records temperature from -30°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



Pharmaceuticals Transportation



Vaccine Transportation



Transportation



Air Transportation

Specifications

| | |
|---|--|
| Product Model | TIC20 |
| Sensor Measurement Range | -30°C to +60°C (-22°F to +140°F). |
| Operating Temperature Range | -30°C to +60°C (-22°F to +140°F). |
| Storage Temperature Range | -30°C to +65°C (-22°F to +149°F). |
| Rated Temperature Reading Accuracy | 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> |
| Rated Temperature Reading Resolution | Less than 0.1°C for -30°C to +60°C. |
| Sensor Reaction Time | Typically less than 7 minutes (T90) in moving air (1m/s). |
| Recording Capacity | 1st activation of each alarm for each day including trigger time and duration of each excursion. |
| Sampling Interval | 1-15 minutes, factory set to 6 minute interval for profile 0006 (i.e. 0.1hour). |
| Logging Start Options | Push button start or specific date. |
| Recording Indication | Alarms are displayed on a custom LCD. |
| Environmental | IP64. |
| Power Source | CR2032 3V LiMnO ₂ Battery (Fixed). |
| Battery Life | Minimum storage life of 5 years before 'start'. Monitoring period: 40 days. Minimum accessibility (display) period of 6 months after 'stopped'. |
| Real Time Clock | 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). |
| Size | 73mm(H) x 54.5mm(W) x 8.6mm(T). |
| Weight | 30g. |
| Case Material | Polycarbonate. |



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