DATASHEET

TIC20

LogTag

Distributed by AKRIBIS

TEMPERATURE INDICATOR WITH DISPLAY

LogTag®

TIC20

Temperature Indicator with 40 Day Display

AKRIBIS · www.akribis.info · contacto@akribis.info

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°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).. *Actual performance is typically much better than the rated values.*
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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