DATASHEET

TRID30-7R

LogTag

Distributed by AKRIBIS

TEMPERATURE MONITORING AT A GLANCE

LogTag®

TRID30-7

Multi-Use Logger with 30 Day Display

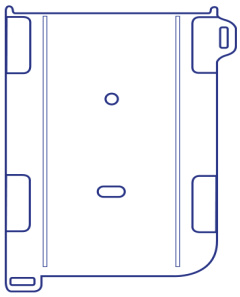
AKRIBIS · www.akribis.info · contacto@akribis.info

The LogTag® TRID30-7 temperature recorder features a display together with a data logging function storing up to 7770 temperature readings.

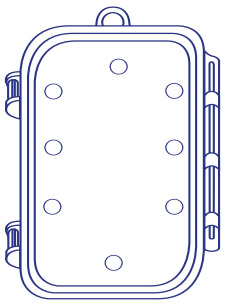
Statistical temperature and duration readings for up to 30 days can be reviewed on the display.

During recording, the visual display of the current temperature (of the most recent reading) and previous alarms is an important feature in “static” applications such as cool rooms and refrigerators.

Accessories



Wall Mount
Not Included



Protective Enclosure
Not Included

LTI-HID
Not Included

Features

Up to 7,770 sets of recordings - enough memory for 53 days at 10min logging

A real time clock provides date/ time stamps for each temperature reading.

Push-to-start button with optional delay or a specific time & date.

Industry best download time - less than 5 seconds for full memory.

User configuration for alert settings, logging interval, trip duration etc.

Inspections can be recorded at the push of a button.

Fixed battery of 1 year storage, followed by 2 years of operation. Replaceable battery of 1 year storage, followed by 1 year of operation (Refer to specifications table).

Records temperature from -30°C to +60°C

Applications

Laboratories

Vaccine Transport

Transportation

Cold Room

Specifications

Product Model	TRID30-7F (Fixed Battery). TRID30-7R (Replaceable Battery).
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	-10°C to +40°C (14°F to +104°F).
Rated Temperature Reading Accuracy	Better than ±0.5°C (±0.9°F) for measurements from -20°C to +40°C (-4°F to +104°F), typically ±0.3°C (0.6°F). Better than ±0.8°C (±1.5°F) for other measurements - typically ±0.5°C (0.9°F). *Actual performance is typically much better than the rated values. Accuracy figures can be improved by recalibration.*
Rated Temperature Reading Resolution	0.1°C (0.2°F) for measurements -40°C to +50°C (-40°F to +122°F) 0.2°C (0.4°F) for measurements +50°C to +70°C (+122°F to +158°F) *LogTag Analyzer® currently displays to one decimal place of °C or °F. The native resolution is what is stored in the LogTag®.*
Sensor Reaction Time	Typically less than 5 minutes (T90) in moving air (1m/s).
Recording Capacity	7,770 temperature readings. 53 days @ 10min logging, 80 days @ 15min logging. Day summary statistics memory (for display on LCD): up for 30 days of Max/Min/duration and alarm trigger statistics.
Sampling Interval	Configurable from 30 seconds to hourly.
Logging Start Options	Push button start or specific date & time. Optional start delay of up to 18 hours.
Recording Indication	State indicator “REC”
Download Time	Typically less than 5 seconds for full memory (7,770 readings), depending on computer or readout device used.
Environmental	IP65 (roughly equivalent to NEMA 4) when vertically mounted or hung.
Power Source	TRID30-7R (Replaceable Battery):CR2032 3V $LiMnO_2$ TRID30-7F (Fixed Battery): CR2450 3V $LiMnO_2$.
Battery Life	TRID30-7R (Replaceable Battery): 1 year storage, followed by 1 year of operation with normal use (6 minute logging, statistics reviewed on the display no more than once daily for no longer than 30 seconds each time, download data monthly). TRID30-7F (Fixed Battery): 1 year storage, followed by 2 year of operation with normal use (6 minute logging, statistics reviewed on the display no more than once daily for no longer than 30 seconds each time, download data monthly).
Real Time Clock	Built-in real time clock. Rated 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	93mm(H) x 54.5mm(W) x 8.6mm(T).
Weight	TRID30-7R: 41g. TRID30-7F: 43g.
Case Material	Polycarbonate.

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