

LogTag[®]

Vaccine Refrigerator Temperature Recorder with 30day summary display



Part code: TRID30-7FW

The LogTag[®] TRID30-7FW is intended for use as the principle means for monitoring storage conditions in vaccine refrigerators in intermediate stores and health facilities and is specifically configured and packaged to be compliant to the World Health Organisation (WHO) PQS specification E006/TR06.3. The device may also be used as a secondary back-up device in cold rooms

The product 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.

The device is preconfigured with the following alarm settings :

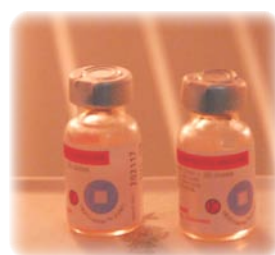
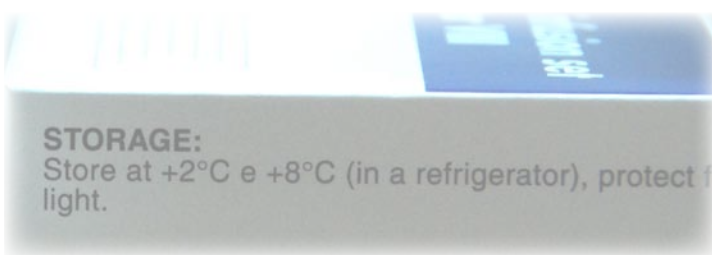
- Low alarm : Exposure to a single temperature event of -0.5°C or below for 60 minutes.
- High alarm: Exposure to a single temperature event of $+8^{\circ}\text{C}$ or above for 10 hours..

A visual alarm trigger is displayed if one or more of the configured alarm trigger conditions have been met.

Details of any violations can be checked directly by inspecting the statistics history on the recorder's display or in more detail by downloading the logged data. Logged data can be downloaded via a standard LogTag Interface to the free companion software *LogTag Analyzer* which provides facilities for displaying data in chart, table or statistical formats and allows electronic archiving, export or transmission of the data in support of sophisticated data management systems.

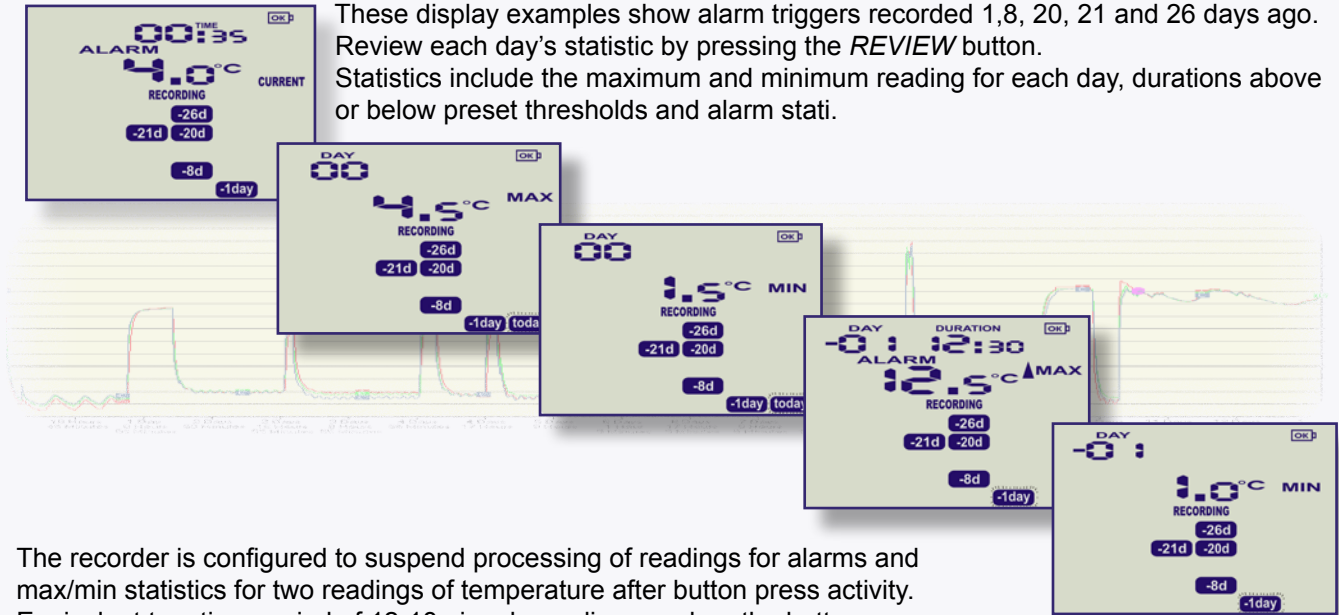
Highlights

- Certified compliant to WHO PQS specification E006/TR06.3.
- Listed on the WHO PQS website as a Pre-qualified PQS device.
- Display shows current state (READY,STARTING,RECORDING or PAUSED).
- Battery state shown on display.
- ALARM indicator appears on the display to show an alarm trigger has occurred.
- Displays alarm triggers in calendar-like format alarm triggers for up to the last 30days.
- Shows the current time and temperature when not in review mode .
- Allows review of current day and up to 29 previous days of statistical data and also adds an 'inspection mark' into the recordings log during recording.
- True data logger that stores up to the last 7770 time stamped temperature data for later download.
- Logged data can be downloaded via a standard LogTag Interface using easy to use LogTag Analyzer software.
- Real time clock records time & temperature simultaneously.



Display

The normal *recording* display shows the current temperature reading, the time and the alarm trigger day summary. A visual alarm trigger is displayed if one or more of the configured alarm trigger conditions have been met. An alarm trigger condition can be a single reading above the upper or below the lower threshold values, a set of consecutive violating readings or an accumulation of violation readings encountered.



The recorder is configured to suspend processing of readings for alarms and max/min statistics for two readings of temperature after button press activity. Equivalent to a time period of 12-18mins depending on when the button press occurs. This allows the user to review the current statistics or clear an alarm without causing a false alarm or statistic while handling the recorder.

Specifications



LogTag Part Code	TRID30-7FW
Rated Operating Temperature range	-30°C ~ +60°C (-22°F ~ +140°F)
Rated Temperature reading accuracy	Better than ±0.5°C (±0.9°F) for measurements from -20°C~+40°C (-22°F~+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).
Rated temperature resolution on LCD	0.1°C(0.2°F) for measurements -30°C ~ +40°C (-22°F ~ +104°F) 0.2°C(0.4°F) for measurements above +40°C (+104°F)
Recording capacity	Data logging memory : 7770 logs (32 days @ 6min logging) Day summary statistics memory (for display on LCD): up for 30 days of Max/Min and duration values
Sampling Interval	Factory set to 6 minute interval
Logging Mode	Factory set to 'Continuous' wrap around recording
Alarm triggering	Factory set to :- • Low alarm : Exposure to a single temperature event of -0.5°C or below for 60 minutes. • High alarm: Exposure to a single temperature event of +8°C or above for 10 hours..
Real time clock accuracy	Quartz crystal locked real time clock. Rated accuracy ±25ppm @ 25°C (equiv to 2.5 seconds/day) Rated temperature coefficient is -0.034±0.006ppm/°C (i.e typically +/- 0.00294seconds/day/°C)
Download time	Typically with full memory (7770 readings) in less than 8 secs depending on computer or readout device used.
Power Source	3V lithium-manganese dioxide extended temperature chemistry
Battery Life	typically 2 years of operation. This assumes day statistics are reviewed on the display no more than once daily for no longer than 30 seconds each time.
Size	93.0mm(H)x54.5mm(W)x8.6mm(T)
Weight	43grams (without packaging)
Case Material	Polycarbonate
EMC Compliance	Complies with EC EMC directives (EN 61000-6-3:2006 & EN 61000-6-1:2005) Complies with FCC Part 15 Subparts A and B.
WHO Compliance	Tested and certified to WHO PQS specification E006/TR06.3.
FDA 21CFR Part 11 Compliance	Designed to comply with FDA 21CFR Part 11 (Digital signatures)
Reader interface	Standard LogTag Interface cradle
Environmental	IP65 (when vertically mounted or hung)
	Manufactured to meet the European RoHS Directive