



Cleanroom Management International  
*Groupe Trescal*

# TEMPERATURE MONITORING AT A GLANCE



# LogTag<sup>®</sup>

TRID30-7  
Multi-Use Logger  
with 30 Day Display



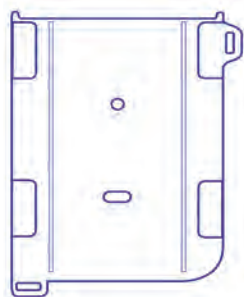
The LogTag® TRID30-7 temperature recorder features a display together with a data logging function storing up to 7770 temperature readings.

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

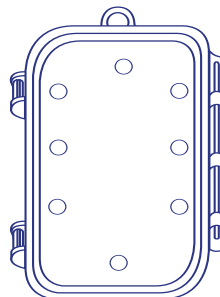
During recording, the visual display of the current temperature (of the most recent reading) and previous alarms is an important feature in “static” applications such as cool rooms and refrigerators.

## Accessories

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*Wall Mount*  
Not Included



*Protective Enclosure*  
Not Included



*LTI-HID*  
Not Included

# Features

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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

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Laboratories



Vaccine Transport



Transportation



Cold Room

# Specifications

<b>Product Model</b>	TRID30-7F (Fixed Battery). TRID30-7R (Replaceable Battery).
<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>	-10°C to +40°C (14°F to +104°F).
<b>Rated Temperature Reading Accuracy</b>	Better than $\pm 0.5^{\circ}\text{C}$ ( $\pm 0.9^{\circ}\text{F}$ ) for measurements from -20°C to +40°C (-4°F to +104°F), typically $\pm 0.3^{\circ}\text{C}$ (0.6°F). Better than $\pm 0.8^{\circ}\text{C}$ ( $\pm 1.5^{\circ}\text{F}$ ) for other measurements - typically $\pm 0.5^{\circ}\text{C}$ (0.9°F). <i>Actual performance is typically much better than the rated values. Accuracy figures can be improved by recalibration.</i>
<b>Rated Temperature Reading Resolution</b>	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) <i>LogTag Analyzer<sup>®</sup> currently displays to one decimal place of °C or °F. The native resolution is what is stored in the LogTag<sup>®</sup>.</i>
<b>Sensor Reaction Time</b>	Typically less than 5 minutes (T90) in moving air (1m/s).
<b>Recording Capacity</b>	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.
<b>Sampling Interval</b>	Configurable from 30 seconds to hourly.
<b>Logging Start Options</b>	Push button start or specific date & time. Optional start delay of up to 18 hours.
<b>Recording Indication</b>	State indicator "REC"
<b>Download Time</b>	Typically less than 5 seconds for full memory (7,770 readings), depending on computer or readout device used.
<b>Environmental</b>	IP65 (roughly equivalent to NEMA 4) when vertically mounted or hung.
<b>Power Source</b>	TRID30-7R (Replaceable Battery): CR2032 3V LiMnO <sub>2</sub> TRID30-7F (Fixed Battery): CR2450 3V LiMnO <sub>2</sub> .
<b>Battery Life</b>	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).
<b>Real Time Clock</b>	Built-in real time clock. Rated accuracy $\pm 25\text{ppm}$ @ 25°C (equivalent to 2.5 seconds/day). Rated temperature coefficient is $-0.034 \pm 0.006\text{ppm}/^{\circ}\text{C}$ (i.e typically +/- 0.00294 seconds/day/°C).
<b>Size</b>	93mm(H) x 54.5mm(W) x 8.6mm(T).
<b>Weight</b>	TRID30-7R: 41g. TRID30-7F: 43g.
<b>Case Material</b>	Polycarbonate.



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