

# WHO COMPLIANT VACCINE MONITORING



**LogTag®**

**USRID-16W**  
Single-Use USB Temperature  
Recorder with Display

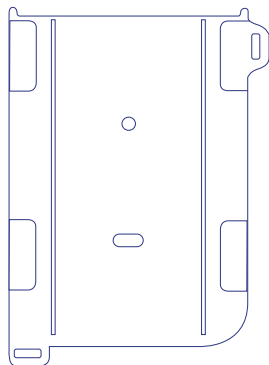


The LogTag® USRID-16W range measures and stores 40 days of real time temperature readings over a measurement range of  $-30^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$ , and is pre-qualified for World Health Organization (WHO) PQS E006 Standards.

The display shows alarm status of up to 3 alarms set at WHO requirements. It plugs directly into the computer USB for easy data download.

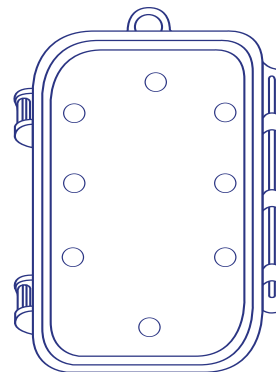
## Accessories

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*Wall Mount*

*Not Included*

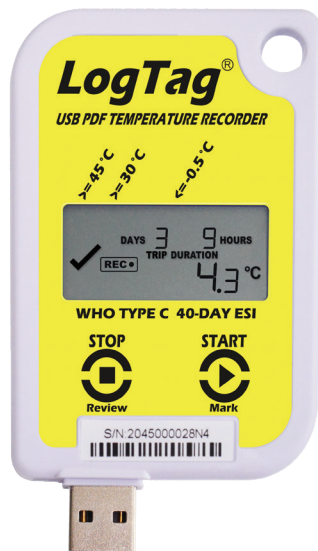


*Protective Enclosure*

*Not Included*

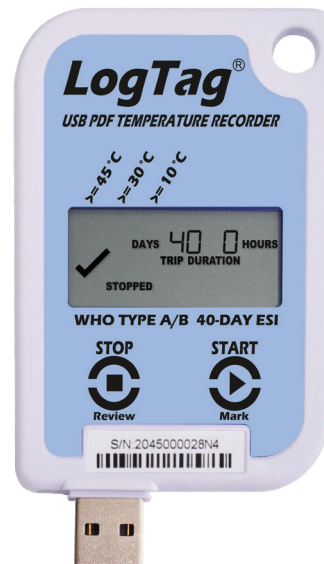
# WHO PQS Pre-qualified models:

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## USRID-16WC

*Suitable for shipment of freeze sensitive vaccines requiring WHO Type 1 alarm configuration.*



## USRID-16WA/B

*Suitable for shipment of vaccines requiring WHO type 2 alarm configuration.*

# Features

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Pre-Qualified compliant to WHO PQS specification E006 Temperature monitoring devices



Fixed battery provides 18 months storage, followed by 40 days normal use.



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



Display showing temperature and alarm status of up to three alarms.



Stores 40 days of temperature recordings data, factory set with a 5 minute logging interval.



Automatic generation of a PDF, CSV, LTD report without special software.



In-transit inspections can be recorded at the push of a button.



Built-in integrated USB connector without the need for a separate Interface Cradle.

# Applications

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Vaccine Transportation



Pharmaceutical Transportation



Laboratories



Medical Centres & Healthcare

# Specifications

<b>Product Models</b>	USRID-16WA/B USRID-16WC
<b>Sensor Measurement Range</b>	-30°C to +60°C
<b>Operating Temperature Range</b>	-30°C to +60°C
<b>Storage Temperature Range</b>	0°C to +40°C with device de-activated
<b>Rated Temperature Reading Accuracy</b>	Better than $\pm 0.5^{\circ}\text{C}$ for $-5^{\circ}\text{C}$ to $+30^{\circ}\text{C}$ Better than $\pm 0.8^{\circ}\text{C}$ or better for $-30^{\circ}\text{C}$ to $+60^{\circ}\text{C}$ Actual performance is typically much better than the rated values. Accuracy figures can be improved by recalibration
<b>Rated Temperature Reading Resolution</b>	Better than $0.1^{\circ}\text{C}$ between $-20^{\circ}\text{C}$ to $+55^{\circ}\text{C}$ LogTag Analyzer currently displays to one decimal place of $^{\circ}\text{C}$ . The native resolution is what is stored in the LogTag®
<b>Sensor Reaction Time</b>	Typically less than 7 minutes (T90) in moving air (1m/s)
<b>Recording Capacity</b>	11,520 temperature readings (40 days at 5 minute logging)
<b>Sampling Interval</b>	Factory set at 5 minutes (non-changeable)
<b>Logging Start Options</b>	Push button start
<b>Logging Stop Options</b>	Push button stop Stop after the logger has completed 11,520 temperature readings (40 days at 5 minute logging)
<b>Alarms</b>	3 alarms set at WHO requirements
<b>Download Time</b>	Typically with full memory in less than 20 seconds from time of insertion to availability of PDF report Typically less than 10 seconds from time of insertion to availability of LTD file in LogTag® Analyzer 3
<b>Environmental</b>	Ingress rating: IP65 with USB cap fitted Shock and Vibration: Unit shall pass a relevant level of shock and vibration based on the requirements of the Indicator specification E006/ TR07.3 Environmental resistance: Labels and plastics shall be resistant to a range of chemicals and UV, including rubbing alcohol and petrol fuel
<b>Power Source</b>	CR2032 3V LiMnO <sub>2</sub> Battery (Non-Replaceable)
<b>Battery Life</b>	Minimum storage life of 18 months before 'start' Monitoring period: 40 days Minimum accessibility (display) period of 6 months after 'stopped'
<b>Real Time Clock</b>	Built-in real time clock Rated accuracy $\pm 25\text{ppm}$ @ $25^{\circ}\text{C}$ (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/ $^{\circ}\text{C}$ )
<b>Connection Interface</b>	USB 2.0, A-type plug
<b>Software</b>	PDF Reader, LogTag® Analyzer 3 or higher
<b>Size</b>	93mm(H) x 54.5mm(W) x 8.6mm(T) including protective USB cap
<b>Weight</b>	31g
<b>Case Material</b>	Polycarbonate

