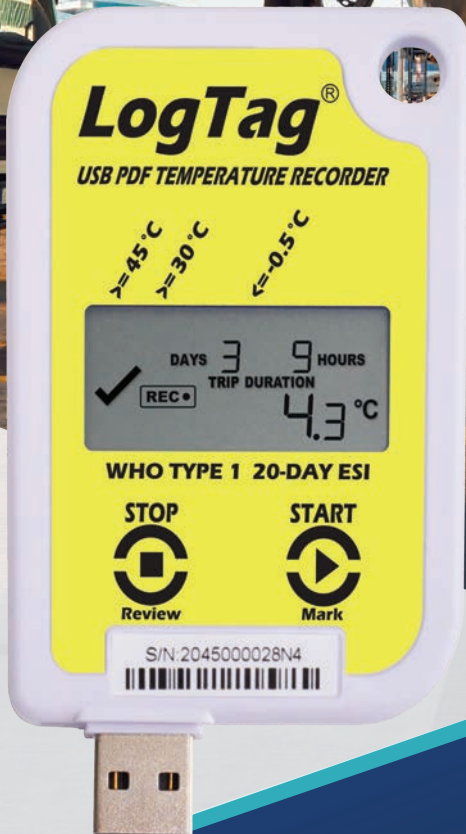


WHO COMPLIANT VACCINE MONITORING



USRID-16W

Single-Use USB Temperature Recorder with Display

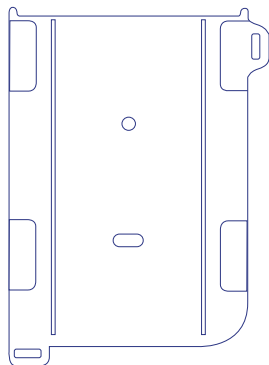
LogTag Recorders



The LogTag® USRID-16W measures and stores real time temperature readings over a measurement range of -30°C to +60°C, and is Pre-Qualified for World Health organisation PQS E006 Standards.

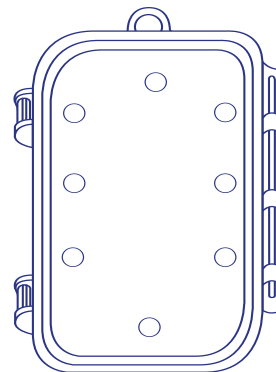
The display shows alarm status of up to 3 alarms set at WHO requirements. It plugs directly into the computer USB for easy data download.

Accessories



Wall Mount

Not Included



Protective Enclosure

Not Included

WHO PQS Pre-qualified models



USRID-16W1

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



USRID-16W2

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

Features



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



Fixed battery provides 18 months storage, followed by 20 days normal use.



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



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



Stores 20 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.



Integral USB connector - no separate Interface Cradle required.

Applications



Vaccine Transportation



Pharmaceutical Transportation



Laboratories



Medical Centres & Healthcare

Specifications

Product Models	USRID-16W1 USRID-16W2
Sensor Measurement Range	-30°C to +60°C
Operating Temperature Range	-30°C to +60°C
Storage Temperature Range	-30°C to +55°C with device de-activated.
Rated Temperature Reading Accuracy	Better than $\pm 0.5^{\circ}\text{C}$ for -5°C to $+30^{\circ}\text{C}$ Better than $\pm 0.8^{\circ}\text{C}$ or better for -30°C to $+60^{\circ}\text{C}$ Actual performance is typically much better than the rated values. Accuracy figures can be improved by recalibration.
Rated Temperature Reading Resolution	Better than 0.1°C between -20°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®.
Sensor Reaction Time	Typically less than 7 minutes (T90) in moving air (1m/s).
Recording Capacity	5,760 temperature readings (20 days at 5 minute logging)
Sampling Interval	Factory set at 5 minutes (non-changeable)
Logging Start Options	Push button start.
Logging Stop Options	Push Button Stop. Stop after the logger has completed 5,760 recordings (20 days at 5 minute logging).
Alarms	3 alarms set at WHO requirements.
Download Time	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.
Environmental	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.
Power Source	CR2032 3V LiMnO ₂ Battery (Non-Replaceable).
Battery Life	Minimum storage life of 18 months before 'start'. Monitoring period: 20 days. Minimum accessibility (display) period of 6 months after 'stopped'.
Real Time Clock	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/ $^{\circ}\text{C}$).
Connection Interface	USB 2.0, A-type plug.
Software	PDF Reader, LogTag® Analyzer 3 or higher.
Size	93mm(H) x 54.5mm(W) x 8.6mm(T) including protective USB cap.
Weight	31g.
Case Material	Polycarbonate.

