DATASHEET

USRID-16 WHO

LogTag

Distributed by AKRIBIS

WHO COMPLIANT VACCINE MONITORING

LogTag®

USRID-16W

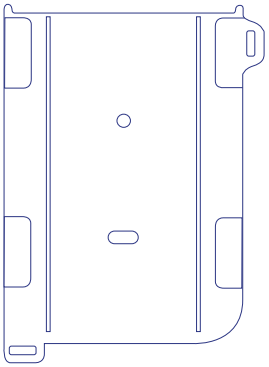
Single-Use USB Temperature Recorder with Display

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

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

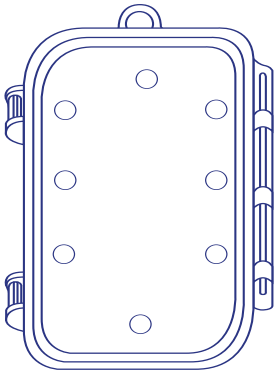
The display shows alarm status of up to 3 alarms set at WHO requirements. It plugs directly into the computer USB for easy data download.

Accessories



Wall Mount

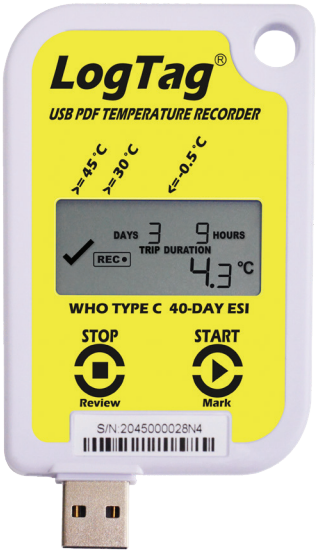
Not Included



Protective Enclosure

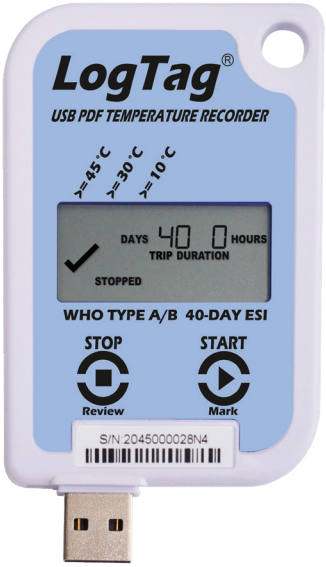
Not Included

WHO PQS Pre-qualified models:



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

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

Vaccine Transportation

Pharmaceutical Transportation

Laboratories

Medical Centres & Healthcare

Specifications

Product Models	USRID-16WA/B USRID-16WC
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 ±0.5°C for -5°C to +30°C Better than ±0.8°C or better for -30°C to +60°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 °C LogTag Analyzer currently displays to one decimal place of °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	11,520 temperature readings (40 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 11,520 temperature readings (40 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: 40 days Minimum accessibility (display) period of 6 months after 'stopped'
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)
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	39g
Case Material	Polycarbonate

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