

 Empowered lives. Resilient nations.	Title:	UNDP technical requirements for dataloggers		
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INTRODUCTION

This document describes the technical and regulatory requirements related to USB dataloggers used for the shipment of health products (when required) on behalf of UNDP.

All temperature restricted goods must be supplied with temperature USB data logger and appropriate dry ice / cold packs/ ice packs / wet ice, as determined and qualified by the supplier. These provisions must ensure compliance with recommended temperature conditions for a minimum of 72 hours.

The box with temperature restricted items should be shipped and clearly marked i.e., "keep cool (15-25°C)" or "cold chain (2-8°C)" or "keep frozen (-20°C)". The suppliers shall ensure that the recommended temperature is maintained during storage until delivery to final airport destination. All pharmaceutical shipments supplied to UNDP must include USB data loggers to monitor temperature conditions from the supplier's warehouse until delivery incoterm.

For Air/Land/Sea freight: at least 1 data logger per pallet.

For sea freight (containerized cargo, reefer container): 2 dataloggers per container. 1 to be placed low at the back of the cargo, 1 to be placed high in the front of the cargo near the container's door per shipment regardless of no. of pallets or boxes.

USB DATALOGGERS TECHNICAL REQUIREMENTS

The minimum technical requirements for dataloggers are as follows:

1. WHO prequalified device (refer to WHO Performance, Quality and Safety (PQS) catalogue, category E006)
2. Measures temperature (from -30° to +70°C, with accuracy +/- 0.5°C).
3. Readings to include time and date
4. Single use
5. Direct USB interface, without need for additional cable
6. Automatically creates PDF report when connected to computer.
7. Rapid data download to graph
8. Alarm levels set up before shipping according to manufacturer's storage requirements
9. LCD featuring up to 1 decimal point readings
10. Alarm indication on LCD screen
11. Sampling rate: at least 1 measure per hour
12. Push button to activate and stop logging.
13. Easy to understand user's guide and instructions
14. Non-transmitting device
15. Powered by only button (coin) cells/batteries in compliance with Section II of PI970.

As per above requirements and specifications, pursuant to 2024 IATA Lithium Battery Guidance Document, a lithium battery mark is NOT required and the Air Way Bill does not require statements related to the data logger used.

The awarded bidder is required to adhere to UNDP temperature-controlled shipment requirements.