

The Tool Dump

Advanced Binary Dump Analysis Report

Executive Summary

File Name: MemoryDump_MP_20250722_013021_1753223817517.bin

Generated: 7/22/2025, 10:43:21 PM

Overall Status: CRITICAL

Critical Issues: 1

Warnings: 1

Total Data Points: 1000

Device Information

Memory Pump (MP) Device:

- Serial Number: MP S/N 2560
- Firmware Version: 10.1.3
- Peak Operating Temperature: 105.7°C (222.3°F) (& High Temp)
- Motor Operation: 37h 4m total runtime
- Communication Health: 100.0% ('Excellent')

Operation Summary:

- Total Circulation Time: 2 days, 3 hours (50.60h)
- Operational Cycles: 55,480 pulses recorded

Issues Analysis

CRITICAL: High temperature detected: 5.8389974322653404e+38°F

Explanation: Temperature exceeded safe operating limits

WARNING: Low temperature detected: -6.11969981532736e+38°F

Explanation: Temperature below normal operating range

Comprehensive Sensor Analysis

Temperature Analysis (5 readings):

Average: 32.0°F

Maximum: 32.0°F

Minimum: 32.0°F

Battery Analysis (5 readings):

Average Voltage: 0.00V

Minimum Voltage: 0.00V

📊 Data Visualizations

Interactive charts and detailed visualizations are available in the web application.

This report provides summary statistics. For comprehensive analysis,

access the full visualization dashboard with time-series plots,

histograms, and real-time data exploration tools.