

NEOSEM

F-4A Benchtop HDD/SSD Test System

Supported Protocols

- HDD 2.5", 3.5"
- SATA 3/6 Gbps
- SAS 3/6/12 Gbps

Supported Form Factors

- 2.5", 3.5"
- SATA
- SAS
- mSATA

System Scalability

- **F-8A PCIe (Ambient)**
PCIe SSD Bench-top Tester
Up to 4 Parallel DUTs
- **F-60B (+10C to +85C)**
1-zone Chamber
Up to 120 Parallel DUTs(AIC)
Up to 240 Parallel DUTs (M.2)
- **F-60E (-34C to +85C)**
1-zone Chamber
Up to 192 Parallel DUTs(AIC)
Up to 384 Parallel DUTs(M.2)

NEOSEM
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F-4A Ambient HDD/SSD Benchtop Test System

The Neosem's F-4A ambient, SSD or HDD test system has a small footprint and is affordably priced making it easy to provide every engineer with their own testing platform. This system utilizes Neosem's robust Andromeda operating software platform with a comprehensive library of standard tests.

Key Features

- Small Benchtop footprint
- Tailored to HDD or SSD Testing with SAS/SATA interfaces
 - Four 2.5" SSD SATA or SAS
 - One 2.5" or 3.5" HDD
- Programmable power margining per DUT with current and voltage measurement read-back
- Turnkey solution, featuring Neosem 's Andromeda operating software
- User-friendly GUI allows for easy test control (start/stop) and monitoring (status) of all Device Under Test (DUT) on one screen
- Provides characterization data such as performance, measurement, throughput, IOPs, thermal and power consumption
- GUI allows intuitive drill down monitoring from scripts level through DUT interface commands and down to bit level write and operations
- Comprehensive library of engineering, reliability, quality and production test scripts designed for HDD/SSD devices

F-4A HDD/SSD Test System

Product Specification

Mechanical

- Exterior Dimensions: 7.5" wide x 7.5" tall x 16.5" deep

Input Power

- 120 VAC @10A

Software

- Test results are delivered in clear, Detailed reports and graphs
- Test script development tools
- GUI driven test control platform
- Debug through interactive shell command interface
- Individually captured information for every DUT
- Run multiple tests, simultaneously
- API for user-defined plug-ins
- Java Support
- SNIA and JEDEC Compliance Test



Applications

- Device Verification Testing (DVT)
- Engineering Verification Testing (EVT)
- Device Screening
- Return Material Authorization (RMA)

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F-4A Tester System Specification

HDD (2.5") F-4A only 1 DUT

HDD (3.5") F-4A only 1 DUT

SSD SAS/SATA (F-4A only) 4 DUTs

Test Application Development P25 Script & JAVA Support

Tester Input Power 110-220V AC 10A – 50 to 60HZ

Tester Operating Temperature Range 18 to 28C – Air cooled

Tester Software Andromeda Operating S/W

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