

Intermittent Fault Detection & Isolation System 2.0™ (IFDIS 2.0™)

IFDIS 2.0 Eliminates:



Repeated returns of the same assembly for repair



Excessive spare part stock to cover units out of service



Scrapping costs associated with unrepairable units



Wasted time using technology that cannot detect intermittent faults



Downtime to replace units

IFDIS 2.0 by Universal Synaptics

Intermittent Fault Detection & Isolation System 2.0 (IFDIS 2.0) is a cutting-edge technology developed and patented by Universal Synaptics. It is MIL-PRF-32516 compliant and purpose built to detect a wide range of faults in complex electronics and electrical systems. It is an indispensable tool for engineers and technicians in various industries.

Features:

- Rapid test setup (minimal training)
- Fast and accurate intermittent fault detection in avionics
- Detect intermittent faults, open circuits, shorted circuits, and mis-wiring
- AutoMap™ technology eliminates the need for Test Program Set (TPS) development
- Easily expandable in 1,280 test points increments
- Single or Dual Rack option based on test requirement
- Technology Readiness Level (TRL) 9
- Simulated environment for LRUs with all-lines-all-of-the-time circuit monitoring

Benefits:

- Utilized in depots and back shops
- Save time and money by identifying and fixing faults quickly (reduces troubleshooting time by up to 90%)
- Increase system reliability and reduce downtime
- Improve mission readiness
- Reduce maintenance costs
- Improve overall system performance and efficiency
- Improves system safety through No Fault Found (NFF) / Can Not Duplicate (CND) remediation
- Engineered Test Process for efficient fault isolation leading to root-cause identification and repair



Universal Synaptics is the industry leader in detecting and isolating elusive intermittent faults that plague aerospace, defense, and commercial industries. The massive digital testing void that exists today with scanning test equipment led to the development of the patented PIFD™, IFDIS™, and IFDIS 2.0™ Intermittent Fault Detectors. Our mission is to help our customers maximize the reliability and performance of their critical systems and equipment while significantly reducing maintenance costs.

Contact us today to learn more about IFDIS 2.0 and the benefit to your organization.

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