

Part Number: USC-IFD-00512

Part Description:

The Portable Intermittent Fault Detector™ (PIFD™) product family is an advanced diagnostic tool that is purpose built to supplement traditional test equipment and address the decades old issue of intermittent failures. The patented Intermittent Fault Detector™ (IFD™) technology, by Universal Synaptics Corporation, can simultaneously and continuously monitor every circuit path within a Unit Under Test (UUT) for intermittent failures as short as 50 nanoseconds. This state-of-the-art technology is tightly packaged in a ruggedized, environmentally sealed, single person carry case. EMI properties and user safety are the basis for every design element. To ensure a complete assessment of a UUT's wiring integrity, the IFD also has the capability to perform other traditional hard failure tests. Never has there been a more comprehensive and complete wiring diagnostic solution.



Standard configuration of this operations-level member of the IFD product family is 512 test points. Configurations in fewer test points are available. Refer to the Related Part Numbers specification below.

Part Specifications:

Integral Computer	<input type="checkbox"/> Intel Atom 1.9 GHz processor <input type="checkbox"/> 8GB DDR3L DIMM <input type="checkbox"/> 1x Internal 256 GB MSATA solid state drive <input type="checkbox"/> 1x USB 2.0
Test Software	<input type="checkbox"/> Synapse software - Intermittence, Continuity, Shorts, Fault Isolation, AutoMap, Test Reports
Integrated Multimeter	<input type="checkbox"/> 6.5 Digit fully integrated digital multimeter <input type="checkbox"/> Calibration not required
Test Interface	<input type="checkbox"/> 12x 50 Point D-Sub connectors
Carry Case	<input type="checkbox"/> Strong HPX(R) High Performance Resin <input type="checkbox"/> Airtight and Watertight when closed <input type="checkbox"/> Press & Pull Latches <input type="checkbox"/> Double-layered, soft-grip handle
Electrical Service	<input type="checkbox"/> Input Power – 100 - 240 VAC, 2 A <input type="checkbox"/> Frequency – 50/60Hz
Size and Weight	<input type="checkbox"/> Exterior Dimensions – 19" x 14" x 7" <input type="checkbox"/> System Weight – <42 lbs <input type="checkbox"/> Custom Packaging available (PN: USC-CarryCase-00001)
Operating Environment	<input type="checkbox"/> Indoor or Outdoor use <input type="checkbox"/> Operating Temperature – 2 to 50 degrees Celsius <input type="checkbox"/> Storage Temperature – 0 to 60 degrees Celsius <input type="checkbox"/> Humidity – 5 to 90% non-condensing <input type="checkbox"/> Operating Altitude – 5000 m <input type="checkbox"/> Voltage Fluctuations – +/- 10% of input rating
Regulatory	<input type="checkbox"/> MIL-PRF-32516, MIL-STD-461, MIL-STD-1472, CSA
Warranty	<input type="checkbox"/> 12 Months
Related Part Numbers	<input type="checkbox"/> USC-IFD-00128, USC-IFD-00256