Signature Analyser

Signature Analysis is a method of comparing signals at different nodes of a system with data collected from the same nodes of a known good system.

The data collected at each test point is represented as a 4 digit code produced by analysing the data stream passing through the node during the test. The 4 digit code is called the 'signature'.

The Flight Electronics Signature Analyser is designed to provide standard facilities at a fraction of the cost you would expect to pay.

The unit is ideal for use with the new **B/TEC Digital Systems Fault Finding NIII,** and the **City and Guilds 223/224 Microcomputer Technology courses.** Its low cost enables it to be used on a one-per student basis.

For educational training in signature analysis free run modules may be required.

Operation of the Signature Analyser is uncomplicated and is fully explained in the accompanying booklet.

20MHz Signature Analyser

A high speed signature analyser, to accommodate the faster processors being required in ever increasing numbers by industrial users.

This product will accept clock rates of up to 20MHz, and set up times of 15 nS, and has been designed to a high degree of user friendliness via prompts.

The product also conforms to HP operation and displays standard HP signatures.

20 MHz max clockrate.
15 nS data set up time.
5 nS hold time.
Built in diagnostics and self test.
Resident free run 8085 facility.
LCD display.
Soft key - high user friendliness.
Low circuit loading - approx 0.05 TTL.
Conforms to HP convensions.
Mains powered - battery option.
Complete with supply and test leads.

Signature Analyser Mimic Tutor Program

This valuable training aid comprises a disk based tutor program which incorporates interactive graphics. The program generates a mimic diagram of a Signature Analyser showing the shift register, feedback logic and binary patterns produced. Keyboard inputs are data, start, stop with complements and output is in standard HP code. The tutor program is available for both IBM and BBC computers.

Free Run Modules

Free Run Units are free standing PCB assemblies with ribbon cable connection to the system under test These units offer the user the most reliable and direct method of breaking the data bus and forcing the microprocessor to execute its free run instruction.

Signature Analysis free run procedures allow the user to implement a simple series of tests on their microprocessor based system. The results of these straightforward go/no-go tests can verify the proper functioning of circuits and devices that lie at the heart of the system.

Free run units are available for the 8 bit microprocessors Z80, 8085 and 6502.

Ordering Information

Description	Part No
20MHz Signature Analyser	135-001
Signature Analyser Mimic Disc (PC)	690-001
Signature Analyser Mimic Disc (BBC)	690-002
Z80 Free Run Module	141-006
8085 Free Run Module	141-007
6502 Free Run Module	141-008