

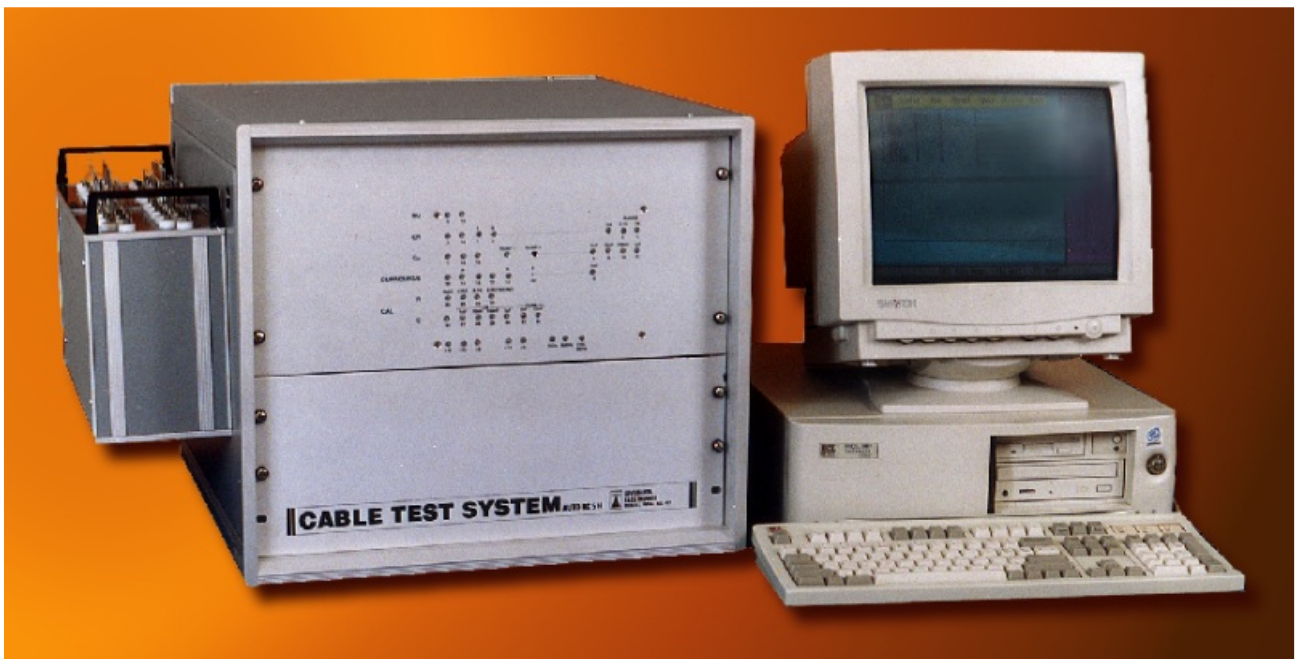


SIVA INSTRUMENTS



THE COMMUNICATION CABLE TEST SET

AUTO RC-5H



Twenty years of dedicated service to Indian Industry, understanding customers needs and incorporating them in the product through system engineering with the latest technology is the Sivananda Electronics' approach towards product development. After more than forty successful installations of our regular hundred pair model all over the country we are launching this new ten pair economy model as demanded by our valuable and satisfied customers.

Sivananda Electronics continues its efforts and is trying to come out with latest technology import substitute product.

Cable Test System Model AutoRC-5H provide most advanced, accurate and economical method for testing of Multi paired communication Cable. Cable Test System is offered as complete package of training, installation and it is supported by dedicated team of service engineers.

SIVA CableTest System is the only of it's kind available where the complete design took place under one roof !. i.e., the measuring instruments, hardware, software etc., are totally designed by us. This makes us to provide easy, effective and prompt after sales service and spares to our customer. Also the upgrading, customising if required in future can be done very easily. The SIVA engineering community is uniquely structured to meet the demands of the quality control standards in communication cable industry. Our R&D Department is recognised by Dept. Science & Technology of Govt. of India.

Features:

- ☞ In process and final testing of multi paired communication cable
- ☞ User friendly menu driven software
- ☞ Computerised Automatic Cable testing with very accurate LF & HF measuring instruments
- ☞ Data logging for retrieval and statistical analysis
- ☞ Designed for Final as well as Routine Production Testing
- ☞ Built in 5 Pair Fanout facility
- ☞ Report can be viewed either through the monitor or with the hard copy print outs

Software:

Complete Software package for testing LF and HF parameters , scanning of all pairs of cable is provided along with the system.

Features of printout of the test results:

- Menu driven graphic user interface as front end.
- Automatic calibration before starting any parameter test.
- Identification particulars of cable
- Creation and storage of multiple specifications for comparing acquired data (which is the basis of generating various type of reports) made possible.
- Actual measured values at the prevailing ambient
- Corrected / Normalised values for 20° C and length normalisation 1000 meters.
- Normalised/Un-normalised values printed side by side
- Length correction facilities for capacitance Unbalance parameter
- Printout of only statistical summary (like min, max, avg, mean, std. dev values) or a detailed report and histogram for both LF and HF parameters.
- User defined Report setup facility.
- Remark for conformance to specification OK/NOT OK
- Page number in the report
- " End of the report " message is printed after the end of cable test report
- Statistical display and printout of every parameter
- Identification particulars of the cable are printed while taking the printouts of summary /evaluation.

Configuration:

- ❖ PC Sub system :(computer)
 - VGA monochrome monitor
 - 80 column Dot-matrix printer
 - Pentium grade, 166 MHz.(or higher) CPU
 - 16 MB RAM, 1GB HDD.(or higher)
- ❖ Measurement Modules for measurement of different parameters
- ❖ Built-in 5pair fanout facility for connecting both ends of the cable

Measurement Parameters:

- ◆ CONDUCTOR RESISTANCE (CR)
- ◆ RESISTANCE UNBALANCE (RU)
- ◆ MUTUAL CAPACITANCE (CM)
- ◆ CAPACITANCE UNBALANCE PAIR TO PAIR (CUPP)
- ◆ CAPACITANCE UNBALANCE PAIR TO EARTH (CUPG)
- ◆ CROSS TALK (NEAR END AND FAR END) @150KHz. i.e., ONEXT & ELFEXT
- ◆ ATTENUATION (ATN) @150KHz.

To keep pace with the latest technology Sivananda Electronics reserves the right to update it's system. Hence, information in the brochure is likely to change without notice.



SIVANANDA ELECTRONICS

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