



DATA ACQUISITION SYSTEM TRAINER MODEL - DAS100

This trainer has been designed with a view to provide theoretical and experimental knowledge of Data acquisition system on a SINGLE P.C.B



FEATURES

1. The complete circuit of data acquisition system is printed on single PCB.
2. Study of characteristics data acquisition system.
3. Complete Circuit is screen printed on the PCB.
4. All parts are soldered on single pin tag for easy replacement.
5. Typical ICs are provided on sockets to provide a facility to check similar other ICs.
6. Explanation, Observation, Alignment and adjustment of Internal and External controls is possible at a glance due to single PCB.
7. Easy identification of different parts data acquisition system at a glance.
8. Easy measurement of Voltages and Observation of waveforms at any point. Also typical voltages and waveforms are provided.
9. A manual having Practical details is provided with the trainer. The whole circuit is explained section wise in detail in the manual.

SPECIFICATIONS

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|--|---|--|
| 1. Power supply | : | 230V Ac, 50 Hz. |
| 2. Circuit | : | Microprocessor based. |
| 3. No. of Channels | : | 8 channels expandable to 256. |
| 4. Sample Rate | : | 200 samples /second. |
| 5. Memory capacity | : | 1 MB RAM with battery backup. |
| 6. Bandwidth | : | 400Hz |
| 7. Auto zero facility | : | Provided. |
| 8. Analog to Digital Converter | : | 12 bit - ± 2.5 V |
| 9. Data connection | : | download data to computer through RS232 connector. |
| 10. Output | : | parallel port to connect printer |
| 12. All parts are soldered on TAGS on SINGLE PCB with complete circuit diagram SCREEN PRINTED. | | |
| 13. Standard Accessories | : | 1. A Manual having practicals
2. Patch Cords |

In keeping view of SIGMA policy of continuous development and improvement, the Specifications may be changed without prior notice or obligation.

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