Product Name : Aircraft Data Bus Trainer	Product Code : LBNY-0005-2010001

Description :

The Aircraft specification describes how an avionics system transmits information over the unidirectional data bus to other system elements. The Trainer is complete and comprehensive equipment to prepare aircraft maintenance engineers and avionics engineers to understand and maintain modern aircraft. Aircraft specifications define the standard for transfer of digital data between avionics system elements. Aircraft standards are used on virtually all commercial aircraft.

The Aircraft data words define the units, ranges, resolutions, refresh rates, number of significant bits, padbits, etc. for the words transmitted by the different avionics system elements. Trainer simulates signals at two speeds. Words are 32 bits long including a label, parity bit and other fields. The software installed on the trainer is an intuitive, graphical data bus analyzer that simplifies the simulation of Aircraft based avionics systems. The use of this model does not require programming expertise, and trainees do not need to write software programs. All they need to do is consult the comprehensive training manual provided with the trainer, to understand the various menu options. The user-friendly MS Windows-based interfaces allow transmission and reception on data buses with just a few clicks of the mouse. Then, while the bus is running, data and bus activity can be observed in meaningful engineering units, and can be changed on the fly.

Hardware:

The hard ware utilizes a rack-mount PC, 17-inch LCD TFT monitor, ARINC 429 interface, laser printer, instructors panel, patch panel, and power supply unit. The equipment is installed in two 19-inch racks of 18U height.

Technical Specification :

Training Bench:

The Trainer hardware along with the instructor panel is mounted on two 19- in chracks. The front panels provide access points for signal measurement and troubleshooting training. The design provides option for upgrading the trainer bench to a fully operational EFIS trainer/simulator just by adding a third rack containing EFIS equipment. The equipment is operated from the front panels and the access to the equipment for maintenance is through there are doors of the equipment racks. These racks are mounted on a bench top.

Laboratory Instrument India