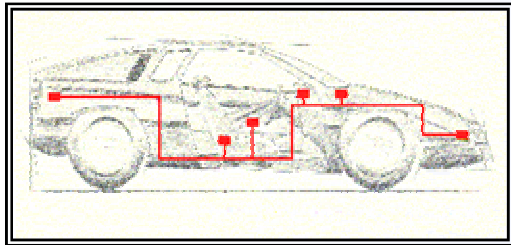




AT-2000 - the new generation

www.iteltd.com

eAT-302 Multiplexed Training System



Auto manufacturers are using Multiplex Buses within their vehicles for the integration of all their vehicle electronics. Multiplex is a serial bus system that is well suited for networking 'intelligent' devices, sensors and actuators within a system or sub-system that also saves weight and space.

As these systems become common place the skilled service technician must understand the basic principles of the serial bus system to efficiently diagnose and troubleshoot malfunctions in modern computer-controlled vehicles. The Multiplexed Bus course is a comprehensive series of modules designed to teach learners at various levels how different sources of digital and analog information can be sent along a single cable.

The circuits on the eAT-302 Multiplex board can be configured to demonstrate the important aspects of Multiplexed Bus systems and many of the exercises relate to automotive applications.

e-Learning Courseware helps to eliminate time wasted in the training facility - flexible and self paced - freeing staff to concentrate on more complex topics.

Supporting the practical exercises the specially designed e-Learning courses allow the underlying theory to be delivered 'on demand'.

Topics Covered

- Multiplexing of switch positions
- Address encoding and decoding
- Signals on the twisted-pair CAN bus
- A/D and D/A conversion and transmission over the CAN bus
- Logic gates
- Practical applications
- Fibre-optic link
- Troubleshooting exercises



The courses can be delivered in standalone mode or tracked using the Internet-based CLEMS (Computerized Learning and Evaluation Management System) which allows the instructor to monitor individual learner and class activities and record the learner's progress.

Contact ITE via the web site at www.iteltd.com or phone +44 (0) 020 7 830 9664

