

BASIC ELECTRONICS MAINTENANCE TRAINER (BEMT) UPGRADE

NSN Not Assigned
NSN Not Assigned

DVC 09-134/A/1 Basic Electronics Maintenance Trainer (BEMT) Upgrade, Instructor Station
DVC 09-134/A/2 Basic Electronics Maintenance Trainer (BEMT) Upgrade, Student Station



Training Category/Level Utilized:
Signal/Level 1

Logistic Responsible Command, Service, or Agency:
PEO STRI

Source and Method of Obtaining:
Not generally available for issue (limited production).

Purpose of Trainer:

BEMT is designed to support the training of students in all aspects of basic electronics including theory and hands-on application. The system allows instructors to assign lesson modules to either a class of students or individual students and to track their progress.

Functional Description:

The BEMT consists of a computerized aided instructional device (CAI), with the capability for computer-based instruction and hands-on practical exercise training. The trainer also may consist of test consoles, circuit card sets particular to the military occupational skill being trained and associated lab text manuals. The test console (130 E) is a pre-wired AC/DC power supply system equipped with input-output circuitry, control switches, and easy to read display. It accepts a wide range of circuit cards for use in group or self-paced hands-on basic training. The circuit card set consists of hundreds of pre-wired circuitry covering AC, DC, Analog and Digital Instruction, AM, FM, Fiber

Optics, Signal Processing, Microprocessors, Microwave Transmission, Rotating Machinery, and Automotive.

The training environment typically consists of a classroom setup of the required number of student stations (SSs), monitored by an instructor operator station (IOS). The SSs and the IOS are Pentium IV or better Personal Computer (PC) that runs Microsoft operating system. Through the use of the ViewNet 3000 system, a Multimedia Switching System that provides the ability to connect unlimited groupings of up to 100 VGA monitor workstations to a main video control bus, the instructor is able to monitor and/or grade all activities of the student and provide computer aided remediation if elected.

Additional BEMT hardware may include commercial available test equipment such as oscilloscope, logic controller, logic probe, functional generator, and multimeter.

Physical Information:

Various hardware sizes and dimensions that will fit in a workbench or computer desk.

DVC 09-134/A/1, MCN: 691001C134739, NSLIN: XA100G

DVC 09-134/A/2, MCN: 691001C134741, NSLIN: XA1008

Equipment Required, Not Supplied:

Workbench, computer desk, and chair are not supplied.