

**TRAINER GUNNERY TOW, DEVICE 17C11/1****TRAINING CATEGORY:**

PRECISION GUNNERY TRAINING

ORIGINATING AGENCY:

CMC

SECURITY CLASSIFICATION:

Device 17C11/1 is unclassified.

PURPOSE OF DEVICE:

To provide realistic training and practice in engaging, tracking and firing of the TOW 2 Weapon Guided Missile System.

INTENDED USE:

Indoor classroom training of gunners for the TOW 2 Weapon Guided Missile System with varying degrees of proficiency.

FUNCTIONAL DESCRIPTION:

Device 17C11/1 is the student station of the Gunnery Training System - TOW 2 trainer, an element of the Gunnery Training System. The student station simulates the AN/TAS-4 sight assembly of the TOW 2 Weapon Guided Missile System. It mounts upon the M83 Traversing Unit of the M159E1 Tripod Mount without modification to the weapon system. The student station contains both an optical (day) sight and thermal (night) sight capability.

Through the student gunner's simulated sight unit, battlefield scenes including both enemy targets and friendly vehicles are displayed. With the controls and switches, the student can select a target, track the target and fire. Through the headset, the sound of the simulated blast of the TOW and the singing of the wire can be heard. By turning the control knobs, the student can track the target with crosshairs centered on the center of the target and see hit or miss explosions as well as hear them. The student can also hear commands from the instructor as well as battlefield sounds of small arms and guns firing.

Device 17C11/1 cannot operate independent of Device 17C11 (Instructor Station).

PHYSICAL INFORMATION:

Number of pieces: One major component.

Sizes: 20" High x 25" deep x 10 Wide

Weight: 57 lbs.

EQUIPMENT REQUIRED (NOT SUPPLIED):

One (1) Mount, Tripod - M159E1
One (1) Traversing Unit - M83
One (1) Tube, Launcher - M22
One (1) Simulator Round - BGM-71D
(Expended)

POWER REQUIREMENTS:

Either 220 or 115 Volts, 50 or 60 Hz.

PUBLICATIONS FURNISHED:

Technical Manual Operator - TM 9-6920-452-10 (U) and System Maintenance Manual - SMM9-6920-452 (U) Volume 1 and Volume II.

PERSONNEL:

Instructor: One (1) Staff Non-Commissioned Officer trained to operate the Gunnery Training System - TOW and qualified to teach TOW 2 Weapon Guided Missile System skills.

Operator: Instructor operated.

Trainees: Class of 20 in one day.

Maintenance: PMCS 10 minutes of every operating day.

CONTRACT IDENTIFICATION:

Manufactured by Perceptronics, Inc., Woodland Hills, CA under Naval Training Systems Center (NAVTRASYSSEN) Contract No. N61339-87-C-0056.

LOCAL STOCK NUMBER:

6920-LL-C00-6937