



### SMALL ARMS FLASH NOISE SIMULATOR, DEVICE 3F63

#### TRAINING CATEGORY:

ARMAMENT (Small Arms)

#### ORIGINATING AGENCY:

DCNO/AIR

#### SECURITY CLASSIFICATION:

Device 3F63 is unclassified.

#### INTENDED USE:

The Small Arms Flash Noise Simulator, Device 3F63 is basically a training device especially designed to produce flash and sound for realistic simulation of rifle or machine gun fire, .30 or .50 caliber. It can be employed in night maneuvers for noise recognition, and in daylight exercises in combination with target devices, thus adding realism to night or day maneuvers, and conditioning trainees to the sound of operational small caliber weapons.

#### FUNCTIONAL DESCRIPTION:

The device consists of a gun simulator, a carrying case, and an ac to dc converter. Outwardly, the device resembles a real machine gun. It may be fired from the device or remotely. It fires single shots or bursts using a metered amount of oxygen and propane that is ignited inside the barrel by a spark plug. Oxygen and propane cylinders are enclosed in the carrying case.

An instructor may fire the device remotely while observing the results. A number of these devices may be operated simultaneously by one operator. This can be accomplished by locating remote trigger switches for all related devices at a common location. All equipment necessary for operation of the device is supplied with the exception of a power source and gas for the oxygen and propane cylinders. The simulator will fire up to 4,000 rounds per cylinder. Firing rate is 350 rounds per minute for .50 caliber and 550 rounds per minute for .30 caliber operation.

## DIRECTORY OF NAVAL TRAINING DEVICES

## EQUIPMENT REQUIRED:

Small Arms Flash Noise Simulator, Device 3F63, consists of:

One (1) Gun Simulator 18-3/4" x 46" x 51-1/4" is approximately 36 lbs.

One (1) Carrying Case 11-3/4" x 12-3/4" x 21-1/2" is approximately 138 lbs.

One (1) Converter 7" x 8" is approximately 6 lbs.

## POWER REQUIREMENTS:

110/220V, 60 Hz, single phase; or 24V DC

## REFERENCE PUBLICATIONS: (NOT SUPPLIED)

NAVSO P-2964: Maintenance Handbook with Parts Lists for Small Arms Flash Noise Simulator, Device 3F63.

## CONTRACT IDENTIFICATION:

Manufactured by Joannell Laboratories, Inc., Livingston, NJ under NAVTRASYSSEN Contract No. N61339-68-C-0291.

## LOCAL STOCK NUMBER:

6920-LL-C00-2230