

STATUS: Limited Standard  
 CLASSIFICATION OF EQUIPMENT: Unclassified  
 USING SERVICE: Navy  
 DATE OF THIS SHEET: 29 Apr 52

# AN/SRT-TYPE

SERVICE TYPE NUMBER: TCY, TCY-1  
 PORTABLE EMERGENCY RADIO TRANS EQUIP



Portable Emergency Radio Transmitting Equipment TCY and TCY-1 are used for emergency or distress signaling by inexperienced personnel in lifeboats or liferafts. They radiate "SOS" or "SSS" signals on the international distress frequency of 0.5 mc.

This transmitter can be keyed both automatically and manually.

A roll of rubber-covered, flexible wire is supplied for the antenna, together with three insulators, and suitable fittings.

The antenna should be installed so that it retains certain basic electrical characteristics, however, the flexibility of the equipment is such that almost any length, or height of antenna can be used.

<b>AN/SRT-TYPE</b>		INSTRUCTION LITERATURE: NavShips 95324
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### MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter Rectifier CFT-52236, -52236-A	16-1/4 x 21-1/4 x 9-3/8	60

### OPERATIONAL CHARACTERISTICS

TACTICAL USE: Lifeboats or liferafts.

INSTALLATION: Shipborne.

APPROXIMATE RANGE (IN MILES): Short, medium.

CAN COMMUNICATE WITH: AN/ARC-5, -9; AN/MRC-20; AN/SRC-3; AN/SRR-3, -11, -12; AN/TRQ-1;  
AN/URR-23; AN/VRC-4; BC-314, -344, -348, -453, -779; MBS; R-62/PR, -96/SR, -129/U,  
-203/SR, -206/PR, -210/U, -211/U, -212/SR, -213/SR, -215/SR, -247/URR, -388/URR; RAK;  
RAL; RAS; RBA; RBB; RBH; RBL; RBM; RCH; RDF; SCR-177; ARC Type 12; National HRO-50.

### TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 0.5.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Mcw.

POWER OUTPUT: 5 w.

POWER REQUIREMENTS: Self-contained, 90 w, 6 v, dc. (Battery permits in excess of 48 cyc of operation, each cyc being of approximately two minutes duration, or 1-1/2 hours continuous keying)

### PHYSICAL CHARACTERISTICS

Portable Emergency Radio Transmitting Equipments TCY, TCY-1 measure 16-1/4 x 21-1/4 x 9-3/8 inches, net weight 60 pounds.