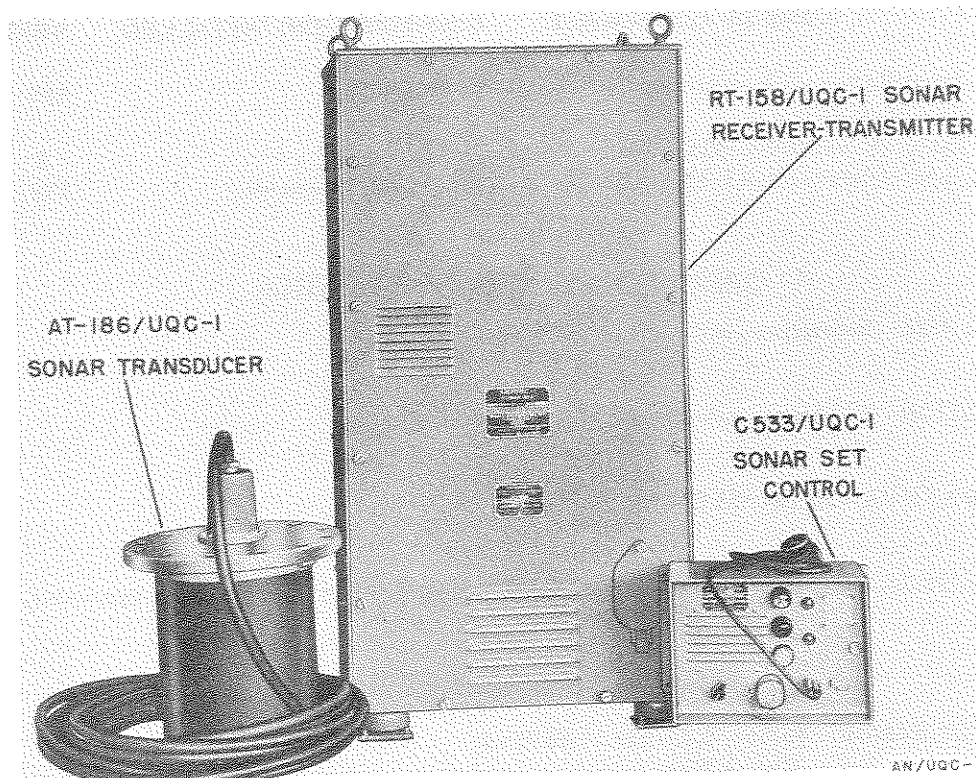


STATUS: Limited Standard
 CLASSIFICATION OF EQUIPMENT: Restricted
 USING SERVICE: Navy
 DATE OF THIS SHEET: 9 May 52

AN/UQC-1

SONAR SET



Sonar Set AN/UQC-1 is a single side band, suppressed-carrier receiver-transmitter designed for underwater radiotelephone communication between submarines and surface craft.

It is used as a simple standard telephone. A microphone switch provides "transmit-receive" switching.

Provision is made for complete remote control of the equipment through use of Sonar Set Control C-533/UQC-1.

The transmitter-receiver, transducer, and control unit may be installed in widely separated parts of the ship.

AN/UQC-1	INSTRUCTION LITERATURE: NavShips 91180
	CLASSIFICATION OF EQUIPMENT: Restricted
	USING SERVICE: Navy
SONAR SET	DATE OF THIS SHEET: 9 May 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Sonar Receiver-Transmitter RT-158/UQC-1	43 x 21 x 13	370
1	Sonar Set Control C-533/UQC-1	13-1/4 x 6-1/2 x 8	8
1	Sonar Transducer AT-186/UQC-1	16-1/2 x 12 diameter	118

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Submarines and surface craft.

INSTALLATION: Shipborne, submarine.

APPROXIMATE RANGE (IN MILES): 6.

CAN COMMUNICATE WITH: Sonar Set AN/UQC-1 and equivalent remote station apparatus.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE: Voice: 8.3375 to 11.0875 kc.
Cw: 8.8 kc.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw, voice: Single side band, suppressed carrier.

POWER OUTPUT: Transmitter: 400 w to transducer;
125 w through transducer.
Receiver: 4 w into 3.2-ohm speaker.

POWER REQUIREMENTS: 1,200 w, 115 v, 60 cyc, 1 phase ac.

PHYSICAL CHARACTERISTICS

Sonar Set AN/UQC-1 measures 43 x 21 x 13 inches, net weight 601 pounds, volume 10.1 cu ft.
Packed for domestic shipment: Total weight 819 pounds, total volume 26.7 cu ft. Shipped in 4 packages.