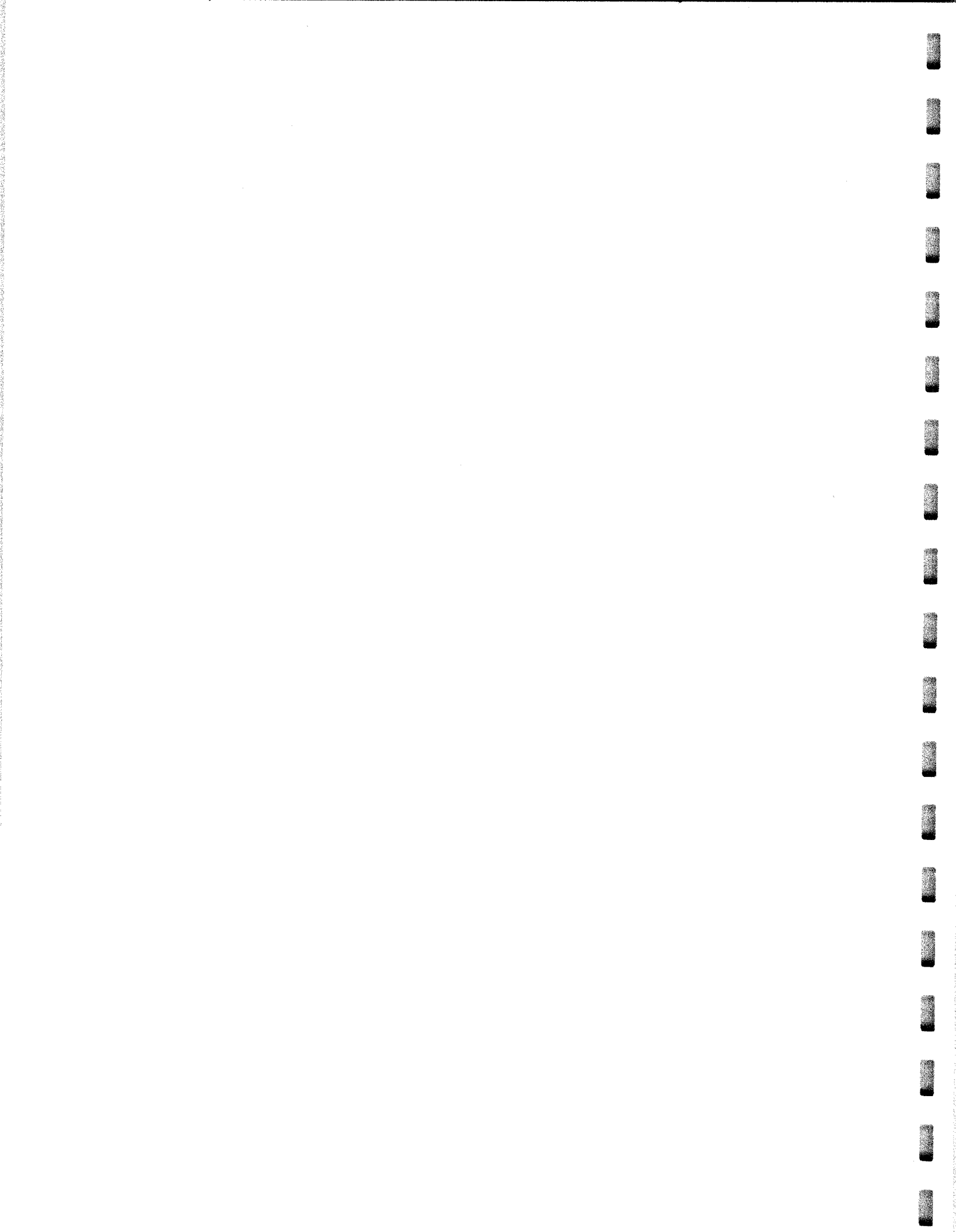


Class 74—Precision Calibration and Measuring Equipment

CLASS 74
PRECISION CALIBRATING AND
MEASURING EQUIPMENT
INCLUDES:
FREQUENCY METERS (ABSORPTION TYPE)
HETERODYNE FREQUENCY METERS
FREQUENCY INDICATORS
CRYSTAL CALIBRATORS
FLUXMETERS
ANECHOMETERS

CONFIDENTIAL

NAVSHIPS 900,109



Class 74—Precision Calibration and Measuring Equipment

3.74-1

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CG-74000 TAP-1 FREQUENCY INDICATOR- CRYSTAL: 195 - 600 KC. 115/230 VOLTS DC OPERATION, USES ONE 864 TUBE. TEN CRYSTALS IN TYPE 40001 HOLDERS.	12/18/31 APR. 42		CAY 74005 MF-2 FREQUENCY INDICATOR CRYSTAL. 545-995 KILOCYCLES; BATTERY OPERATED - USES TWO 864 TUBES; FOUR CRYSTALS MOUNTED IN 40002 HOLDERS.	8/19/32 NOV. 41		RW-74013 TBE FREQUENCY INDICATOR 110 VOLTS - 60 CYCLES. 290-880 KILOCYCLES.	8/10/33 NOV. 41	
CAY 74001 GK-1 FREQUENCY INDICATOR: 300 - 615 KC. BATTERY OPERATED. USES TWO 30 TUBES. SIX CRYSTALS IN TYPE 40001 HOLDERS.			CF-74006 TAU-1 FREQUENCY INDICATOR CRYSTAL. 500-2,000 KILOCYCLES; 115/230 VOLTS D.C. OPERATION - USES ONE 01-A TUBE; TEN CRYSTALS IN TYPE 40001 HOLDERS			RW-74014 TBE-a FREQUENCY INDICATOR 220 VOLTS - 60 CYCLES (CNA-20008 POWER UNIT). 290-880 KILOCYCLES.		
	5/17/42 APR. 42	M-7403555		11/21/32 NOV. 41	B-1621V-1		8/10/33 NOV. 41	
RA-74002 LF & LG RA 74F 449 FREQUENCY INDICATOR HETERODYNE; 30-30,000 KILOCYCLES.			CRV 74007 TAJ-3 FREQUENCY INDICATOR - CRYSTAL. 195-600 KILOCYCLES; 115/230 VOLTS D.C. OPERATION - USES ONE 864 TUBE; TEN CRYSTALS IN TYPE 40001 HOLDERS			CHS 74015 GO FREQUENCY INDICATOR 200-800/2,000-16,000 KILOCYCLES. USES 10 CRYSTALS.		
	7/20/32 APR. 42			9/7/32 NOV. 41			10/11/33 NOV. 41	
74002A LF-A HETERODYNE FREQUENCY METER: HETERODYNE, FREQUENCY 15 KC TO 30 MC FUNDAMENTAL. BY THE USE OF HARMONICS THE FREQUENCY IS EXTENDED UP TO 500 MC.			CG-74008 TAO-3 FREQUENCY INDICATOR - CRYSTAL. 175-600 KILOCYCLES; 115/230 VOLTS D.C. OPERATION - USES ONE 01-A TUBE. TEN CRYSTALS IN TYPE 40001 HOLDERS.			CAG 74016 LD-2 FREQUENCY MEASURING UNIT 100 - 4525 KILOCYCLES.		
	3/26/42 (RA, RM) APR. 42			12/1/32 NOV. 41	M-7460915		3/10/34 NOV. 41	
RA-74003 LF & LG RA 74F 449 CALIBRATOR UNIT CRYSTAL CONTROLLED. 30-30,000 KILO- CYCLES.			CRV 74009 TBG FREQUENCY INDICATOR - CRYSTAL. 300-600 KILOCYCLES; 230 VOLTS D.C. OPERATION - USES THREE TYPE 37 TUBES; FIVE CRYSTALS IN TYPE 40001 HOLDERS.			CAY 74017 TAY-1 FREQUENCY INDICATOR 300 - 600 KILOCYCLES.		
	7/20/32 APR. 42			5/9/33 NOV. 41			4/12/34 NOV. 41	
74003A LF-A CALIBRATOR UNIT: CRYSTAL CONTROLLED. ONE CRYSTAL OSCIL- LATING ON TWO AXIS, 30 KC AND 300 KC.			CRV 74010 TBG FREQUENCY INDICATOR - CRYSTAL. 300-600 KILOCYCLES. 115 VOLTS D.C. OPERATION - USES THREE TYPE 37 TUBES; FIVE CRYSTALS IN TYPE 40001 HOLDERS.			CG-74018 LJ-1 FREQUENCY MEASURING UNIT 195-1500/3000-13,575 KILOCYCLES.		
	3/26/42 (RA), (RM) APR. 42			5/9/33 NOV. 41			4/19/34 NOV. 41	
RA-74004 LF RA 74F 450 CALIBRATION UNIT (CLOCK): FREQUENCY INPUT 30 KC, WEIGHT 49 POUNDS.			CG-74011 LD-1 FREQUENCY MEASURING UNIT 100 - 5,000 KILOCYCLES.			CG-74019 LJ-1 CALIBRATOR UNIT		
	7/20/32 APR. 42			8/1/33 NOV. 41	M-7461382		4/19/34 NOV. 41	
74004A LF-A CALIBRATION UNIT (CLOCK): FREQUENCY INPUT 30 KC. HAS 10 KC MULTI- VIBRATOR AND 2500 CYCLE MULTI-VIBRATOR			CG-74012 LD-1 POWER UNIT 110-115 VOLTS - 60 CYCLES.			CAG 74020 LD-3 FREQUENCY MEASURING UNIT		
	3/26/42 (RA, RM) APR. 42			8/1/33 NOV. 41	M-7461380		1/6/36 NOV. 41	

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CJF74034

AND ARM ON SAME SHAFT. ARM MOVES OVER CIRCULAR RESISTOR. ACCURATE TO 1-1/2°.

CJF 74041 TDM-1
TEMPERATURE UNIT
CONSISTS OF FOUR NEGATIVE TEMPERATURE COEFFICIENT CERAMIC RESISTORS CONNECTED IN SERIES AND ENCLOSED IN AN ALUMINUM LOUVERED SHELTER 2 3/4" O.D. X 4 5/8" HIGH OVERALL. TEMPERATURE RANGE: +110°F TO 603F, RES. RANGE: 40,000 OHMS TO 9/27/44 AS-40289 X-P-47052
MAY 45

CQS 74035 LAA RA 74F 275A
FREQ. METER; FREQ. RANGE:
150 TO 300 MC, SUPPLY, INTERNAL BATTERY.

750,000 OHMS. CJF-74041

9/7/42
OCT. 42

CQS 74036 LAB RA 74F 276A
FREQ. METER; FREQ. RANGE:
300 TO 600 MC, SUPPLY: INTERNAL BATTERY.

9/7/42
OCT. 42

CQS 74037 LAC RA 74F 279 B
FREQUENCY METER;
FREQ RANGE: 2300 TO 4000 MC.

11/23/42
AUG. 43

CJF 74038 ATH-1
ANEMOMETER:
CONTACT TYPE WITH SIXTIETH MILE CONTACTS, CONNECTED TO THE TRANSMITTER SO AS TO KEY THE AUDIO FREQUENCY OSCILLATOR WHICH MODULATES THE UHF CARRIER. CONTACTS BUZZ WHEN CLOSED AND NUMBER OF BUZZES PER MINUTE EQUALS WIND VELOCITY
2/17/43 CJF:339A CJF:V-31509
SEPT 43

CJF 74039
IN MPH. SIMILAR TO NAVY TYPE CJF-74029 EXCEPT FOR INTERNAL CONSTRUCTION AND THE TERMINALS ARE EXTERNAL.

CABL 74039 *SEE BELOW RE13A 790
PORTABLE FREQ STANDARD:
FREQ RANGE 10 TO 150 CPS IN STEPS OF 20 CPS. ACCURACY 1/10 OF 1%. OPERATES FROM 110-120 V SINGLE PHASE, 50-60 CY. OUTPUT: IN EXCESS OF 10 V. ACROSS ANY IMPEDANCE BETWEEN 100,000Ω & ONE MEGOHM.
*FOR USE WITH RAU-2
8/26/43
MAR. 44

CAG 74040 LR-2
HETERODYNE FREQUENCY METER
SUPPLY: 110-115-120 VOLTS, SINGLE PHASE, 60 CYCLES. FREQUENCY RANGE: 160 TO 30,000 KC. INCLUDES CRYSTAL FOR CALIBRATING PURPOSES.

1/1/44 P-400
MAR. 44

			ASSIGNED ISSUED				ASSIGNED ISSUED			
DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER		DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER		DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER

