



A Lear Siegler
Company

THE POWER SOURCE

AQS MODEL 24-400

NICKEL-CADMIUM AIRCRAFT BATTERY CHARGER/ANALYZER

GENERAL INFORMATION

PRIMARY POWER: 115 VOLTS AC
60 HERTZ
SINGLE PHASE
{NOMINAL \pm 10%}

WEIGHT: 3.6 KG.
WIDTH: 16 CM.
HEIGHT: 30 CM.
DEPTH: 20.3 CM.

CONVECTION COOLED

OPERATING INSTRUCTIONS

PRECAUTIONS

- 1) ALWAYS HAVE SELECTOR SWITCH IN "OFF" POSITION BEFORE CONNECTING OR DISCONNECTING BATTERY.
- 2) NEVER TURN UNIT ON CHARGE WITHOUT A BATTERY CONNECTED.

BATTERY CHARGING

CONSTANT CURRENT CHARGE RATE ADJUSTABLE FROM 25 TO 500 MILLIAMPERES.

BATTERY ANALYZING

CONSTANT CURRENT DISCHARGE ADJUSTABLE FROM .5 TO 5 AMPERES.

- A) AUTO DISCHARGE MODE TERMINATES WHEN BATTERY VOLTAGE DROPS TO 20V AND STARTS AUDIBLE SIGNAL.
- B) MANUAL DISCHARGE MODE ENABLES THE TECHNICIAN TO CHECK INDIVIDUAL CELLS FOR LOW VOLTAGE WHILE BATTERY PACK IS UNDER A LOAD.

PARTS LIST

AQS 24-400 CHARGER/ANALYZER

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>PART NUMBER</u>
1.	CABINET ASSEMBLY	AQS-400C
2.	HEATSINK ASSEMBLY	AQS-400HS
3.	D.C. CABLE ASSEMBLY	AQS-1901A
4.	A.C. CABLE ASSEMBLY	AQS-1902A
5.	REAR PANEL ASSEMBLY	AQS-1903A
6.	CIRCUIT BOARD	AQS-1904A
7.	CIRCUIT BOARD CONNECTOR	AQS-1904C
M1.	VOLT METER	AQS-1905A
M2.	MILLIAMP AMMETER	AQS-1906A
SW1.	SELECTOR SWITCH {PRE-WIRED}	AQS-1907A
R39.	CHARGE POTENTIOMETER	AQS-1908A
R38.	DISCHARGE POTENTIOMETER	AQS-1909A
T1.	TRANSFORMER	AQS-1910A

