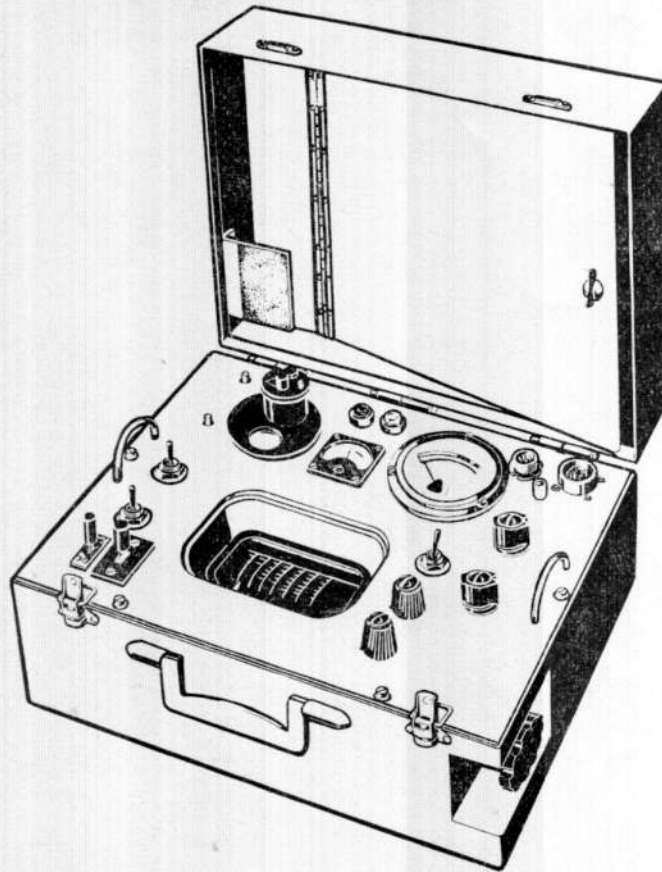


ULTRA, TYPE QE2230 TEST SET FOR JET PIPE TEMPERATURE CONTROL SYSTEMS



Air Ministry Ref. No. 5G/3204
Admiralty Pattern No.
Dimensions 10 in. × 16 in. × 11 in.
Weight 36½ lb
Associated publication A.P.4343S, Vol. 1, Sect. 23, Chap. 20

BRIEF DESCRIPTION

The Type QE 2230 test set is designed for testing the jet pipe temperature control and indicating systems of gas turbine engine aircraft. The instrument embodies a ten-turn, toroidally wound, balancing potentiometer which provides a temperature scale of 120 inches covering a range of temperatures from 400 to 1,000 deg. C. without range-switching. The test set can be operated in ambient temperatures ranging from -30 to +55 deg. C. and incorporates automatic cold junction compensation and a robust galvanometer; the d.c. power supply is provided by mercury cells having an effective life of 80 hours.

The following tests can be made with the test set:—

- (1) Thermocouple resistance check
- (2) A.C. power supply phase sequence check
- (3) Rapid temperature indication
- (4) Measurement of temperature datum on solenoid valve and both a.c. and d.c. actuator systems.
- (5) Over-temperature trip indication
- (6) Turbine speed control system operation
- (7) Temperature indicator system

RESTRICTED

UNIVERSITY OF CALIFORNIA TEST SET FOR THE
TEMPERATURE CONTROL SYSTEM



This file was downloaded
from the RTFM Library.

Link: www.scottbouch.com/rtfm

Please see site for usage terms,
and more aircraft documents.

