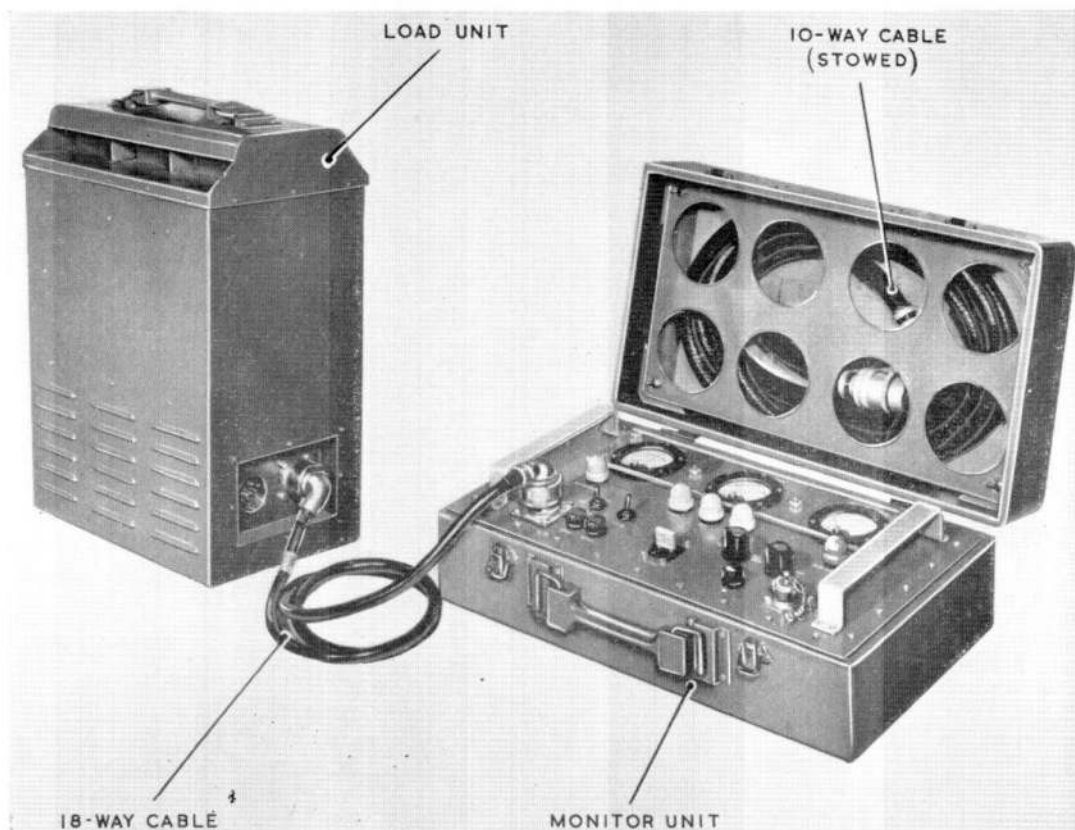


TEST SET, TYPE BT.139



| | | | | | | |
|------------------------|----------------|------------------------------|------|-----------------------------|---------|---------|
| Ref. No. | ... | ... | ... | ... | ... | 5G/3042 |
| Comprising | | | | | | |
| | 5G/3180 | Control and monitoring unit, | Type | BT.350 | | |
| | 5G/3181 | Load unit, | Type | BT.301 | | |
| Dimensions | (Control unit) | ... | | 18 × 12½ × 8 in. | | |
| | (Load unit) | ... | | 18¾ × 13¾ × 9½ in. | | |
| Weight | (Control unit) | ... | ... | ... | 30½ lb. | |
| | (Load unit) | ... | ... | ... | 32¾ lb. | |
| Associated publication | ... | ... | ... | A.P.4343S, Vol. 1, Sect. 18 | | |

BRIEF DESCRIPTION

The Type BT.139 test set consists of two portable units designed for the testing of De Havilland type, 503 and 504 a.c. generators whilst they are installed in aircraft. The set measures voltage and frequency deviations and h.f. distortion of the output of 115V, 2400 c/s, single-phase a.c. generators rated at 1.75 kW, 3 kW and 4kW under $\frac{1}{8}$, $\frac{1}{4}$ and full load conditions. Because of restrictions on ground running of the a.c. generators, each test is limited automatically to 3 minutes duration.

Voltage deviation measurements are made to an accuracy of $\pm 0.2V$ from nominal values of 117 or 115V. Frequency deviation measurements are within 2 c/s from a standard frequency of 2300 c/s. Percentage h.f. distortion measurements are accurate to $\pm 5\%$ of the f.s.d. indication of 15%.

RESTRICTED

This file was downloaded
from the RTFM Library.

Link: www.scottbouch.com/rtfm

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

